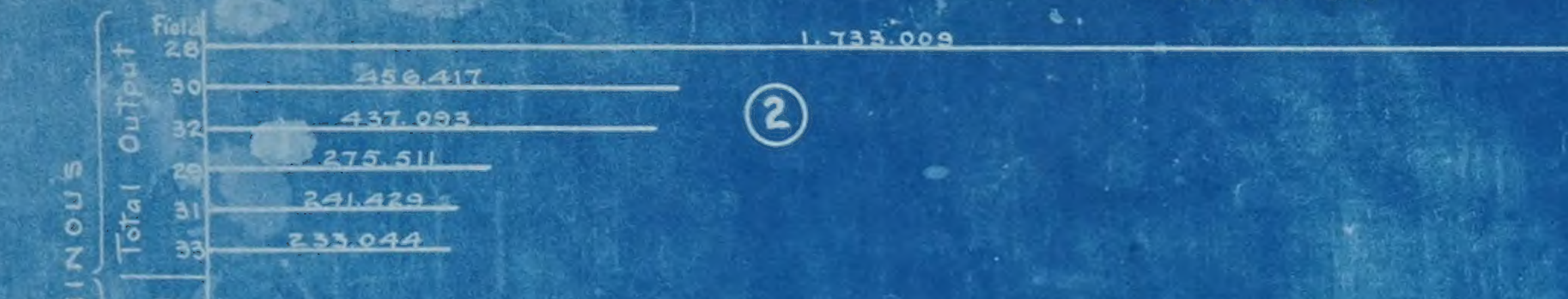
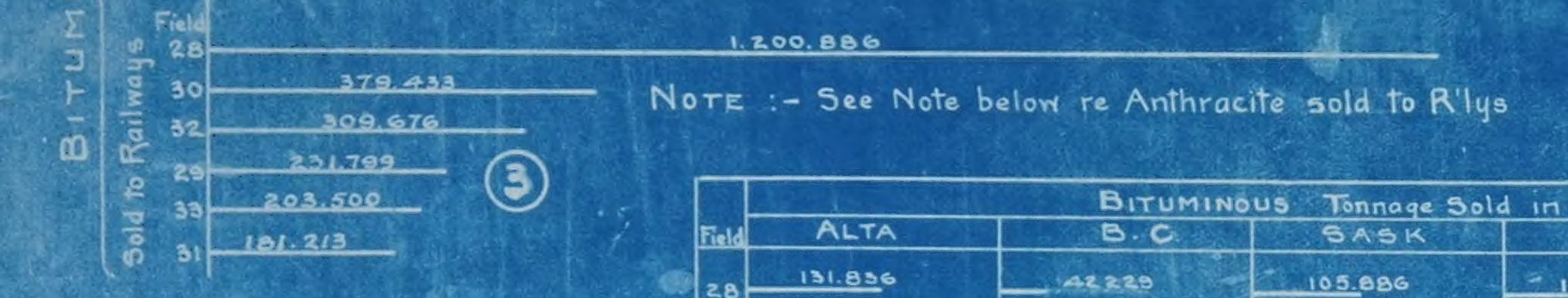




NOTE :- See Note below re Anthracite sold to R'lys

④ BITUMINOUS Tonnage Sold in (exclusive of that sold to Railways)

Field	ALTA	B.C.	SASK	MAN.	ONT.	U.S.
28	131.836	42.229	105.886	101.438	530	115.415
30	36.635	2.575	15.669	12.806	0	0
32	70.771	15.722	11.231	13.954	0	0
29	15.710	1.886	9.119	1.238	0	0
31	3.582	1.449	29.504	13.766	0	0
33	7.691	5.816	0	0	100	0

C.P.R. DEPARTMENT OF COLONIZATION & DEVELOPMENT

COAL OUTPUT OF ALBERTA - 1920

AUTHORITY FOR PRODUCTION, DISPOSITION OF, WHEN & WHERE PRODUCED :- MINES BRANCH REPORT FOR ALBERTA.

GRAPH Nº 59. CALGARY. APRIL 25th 1921. Wm PEARCE.

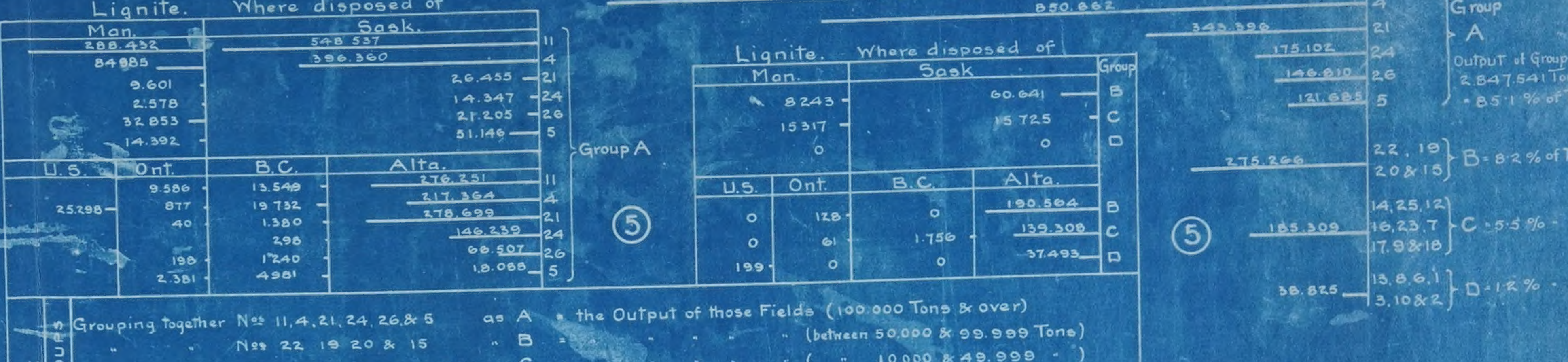
Re Tables Nº 6, 7 & 8
- C - McGill University Investigations by Porter, Durley. Nº 83 Vol. 13.
- D - Mines Branch Nº 331. 1915
- E - Memoir 53 Nº 44 Geo. Survey. D.B. Dowling. 1914.
- G - Various Sources, believed by Compiler to be fairly correct.
- M - Moisture.
- V - Volatile Combustible.
- F - Fixed Carbon.
- A - Ash
- B.T.U. - British Thermal Units

Compiled from advance Sheets of Report, evidently not finally checked. Errors corrected under the direction of undersigned, who, however, owing to the many subdivisions made, was unable to have checks made to the extent they probably should have been. It is believed however that there are no material errors.

NOTE It is probable, that because of the system adopted in securing & forwarding samples to where the Analysis is made, from 10 to 25 % of the Moisture content should be added there-to. The higher the said Moisture content, the greater the percentage that should be added. In the case of the Ash from 2 % to 5 % should be added. When this is done then a correction will be necessary, in the case of Volatile & Fixed Carbon, said correction to be proportional to the amounts given in the Analysis.

To Illustrate :— Take Nº 24, assuming an addition of 25 % for Moisture & 5 % for Ash then the correct Analysis would be

	M	V	F	A
	25.0	29.23	37.37	8.4
not	20.0	31.6	40.4	8.0



LIGNITE GROUPS
- Grouping together Nos 11, 4, 21, 24, 26 & 5 as A = the Output of those Fields (100.000 Tons & over)
- " " Nos 22 19 20 & 15 " B = " " " " " (between 50.000 & 99.999 Tons)
- " " Nos 14, 25, 12 16, 23, 7, 17, 9 & 18 " C = " " " " " (" 10.000 & 49.999 ")
- " " Nos 3, 8, 6, 1, 3, 10 & 2 " D = " " " " " (" 0 & 9.999 ")

LIGNITE SALES
- Total Sales of Group A = 96.76 % of its Output
- " " " " B = 94.37 % " " "
- " " " " C = 92.91 % " " "
- " " " " D = 97.06 % " " "
- " " A+B+C+D = 91.26 % " " "

% Distribution based on Total Sales	Group	Alta.	B.C.	Sask	Man.	Ont.	U.S.
	A	32.85	1.71	34.64	14.17	0.43	0.53
	B	6.24	–	1.99	0.27	–	–
	C	4.56	0.06	0.52	0.50	–	–
	D	1.23	–	–	–	–	–
Total %		44.88	1.77	37.15	14.94	0.43	0.53

DOMESTIC OR LIGNITE ⑥ · BITUMINOUS ⑦ · ANTHRACITE ⑧

Nº	FIELD	ANALYSES M	V	F	A	B.T.U.	AUTHORITY	OUTPUT IN TONS	PERCENTAGES OF TOTAL OUTPUT	OF ITS KIND	SOLD
1	MILK RIVER							6,230.	.10%	.20%	.20%
2	MAGRATH	3.91	38.01	46.75	11.33	11,887	E	1,827.	.02%	.05%	.05%
3	PINCHER CREEK	3.8	28.96	58.67	28.57	9,810	C	5,575.	.09%	.17%	.17%
4	LETHBRIDGE	7.9	34.54	47.43	10.13	11,710	C	850,662.	12.43%	25.42%	22.25
5	TABER	11.7	31.79	44.06	12.45	11,040	C	121,685.	1.74%	3.63%	2.75%
6	BOW ISLAND	17.26	30.90	46.27	5.57	9,259	E	6,456.	.10%	.20%	.19%
7	MEDICINE HAT	19.06	33.07	42.35	5.51	8,833	E	14,699.	.21%	.43%	.41%
8	ALDERSYDE	10.37	32.00	50.84	6.78	10,109	G	8,339.	.11%	.25%	.24%
9	BROOKS							13,853.	.20%	.41%	.41%
10	HIGH RIVER	2.33	35.27	56.53	5.87		E	1,834.	.02%	.05%	.05%
11	DRUMHELLER	16.5	33.6	43.4	6.5	9,650	D	1,209,886.	17.55%	36.26%	33.88%
12	HANNA							29,643.	.43%	.89%	.83%
13	CARBON	11.57	35.64	45.21	7.79		E	8,564.	.12%	.25%	.23%
14	THREE HILLS	11.70	30.75	51.35	6.2		G	32,327.	.46%	.96%	.84%
15	BIG VALLEY	17.26	30.90	5.57	9.259		E	52,349.	.75%	1.57%	1.55%
16	TROCHU	12.2	32.1	49.3	6.4	10,002	G	20,218.	.30%	.61%	.54%
17	LACOMBE	14.7	31.17	42.03	12.10	8,714	G	14,509.	.21%	.43%	.43%
18	BATTLE RIVER	13.0	33.75	46.59	6.66	9,744	G	13,509.	.19%	.41%	.39%
19	CAMROSE	16.8	31.22	45.13	6.35	9,361	G	72,567.	1.05%	2.16%	2.04%
20	TOFIELD	25.0	29.8	36.7	8.5	7,990	D	53,226.	.78%	1.61%	1.56%
21	CLOVERBAR							345,396.	4.88%	10.22%	9.45%
22	EDMONTON	18.97	32.61	40.18	8.25	11,000	C	97,133.	1.40%	2.91%	2.63%
23	NAMAO							16,807.	.24%	.50%	.48%
24	CARDIFF	20.0	31.6	40.4	8.0	8,770	D	175,102.	2.61%	5.23%	4.89%
25	WABAMUN	16.4	31.52	45.19	6.9	9,234	G	29,751.	.43%	.89%	.83%
26	PEMBINA	17.6	29.22	43.85	9.33	9,040	D	146,810.	2.10%	4.39%	3.97%
27	PEACE RIVER							82.			
	TOTALS							3,347,042.	3,347,042-48.52%	3,347,042-100%	3,054,333-91.26%
Nº	BITUMINOUS ⑦										
28	CROWS NEST PASS	4.77	26.1	56.41	16.62	12,410	C	1,773,009.	25.74%	51.90%	49.71%
29	CANMORE	1.02	13.41	82.02	3.62		E	275,511.	4.00%	8.06	7.60
30	BRAZEAU	.51	17.53	61.35	3.61	13,155	G	456,417.	6.62	13.36	13.08
31	MOUNTAIN PARK	5.2	30.5	62.0	4.3	14,210	G	241,429.	3.50	7.06	6.71
32	YELLOWHEAD PASS	2.3	18.5	57.8	21.4	11,580	G	437,093.	6.34	12.79	12.33
33	JASPER PARK	2.3	18.5	57.8	21.4	11,580	G	233,044.	3.38	6.83	6.35
	TOTALS							3,416,503.	3,416,503-49.58%	3,416,503-100%	3,272,863-95.77%
Nº	ANTHRACITE ⑧										
* 34	BANFF	0.6	13.75	72.30	13.35	13,640	C	130,594.	1.90%	100%	

EACH SPACE REPRESENTS ONE PERCENT

UNDER COLUMN SOLD; PERCENTAGES REPRESENT WHAT THE SALES ARE OF THE TOTAL OUTPUT OF ITS KIND.

WHERE SOLD ⑨ · BITUMINOUS ⑩ · ANTHRACITE ⑪

TONNAGE & PERCENTAGE SAID TONNAGE IS OF TOTAL YEARS OUTPUT OF SAID FIELD

Nº	ALBERTA	BRITISH COLUMBIA	SASKATCHEWAN	MANITOBA	ONTARIO	UNITED STATES
1	6052-96.80%					199-3.19%
2	1819-100.00%					
3	5,625-101.00%					
4	217,364-24.10%	19,732-2.19%	396,360-44.00%	84,985-9.44%	887-.09%	25,298-2.81%
5	18,088-14.08%	4,981-3.87	51,146-39.75	14,392-11.17	2,381-1.84%	
6	6,196-95.90					
7	5,826-39.60		6,514-44.30	1,566-10.66		
8	8,088-97.00					
9	13,853-100.00					
10	1,794-97.82					
11	276,251-21.57	13,549-1.05	548,537-42.88	288,432-22.53	9,586-.74	
12	26,776-90.31		1,156-3.90	198-.66		
13	7,919-90.47					
14	18,172-56.23		540-1.67	9,161-28.34		
15	23,087-44.10		23,978-44.58	4,522-8.63	64-.12	
16	14,910-73.72		599-[illegible]	2,259-11.17		
17	14,398-99.31			61-.42		
18	12,859-95.20					
19	47,856-65.92		19,012-26.19	1,512-2.08	64-.08	
20	34,794-65.37		15,998-30.03	1,284-2.41		
21	278,699-81.16	1,380-.40	26,455-7.70	9,601-2.79	40-.01	
22	84,827-87.32		1,653-1.70	925-.95		
23	13,945-82.98		1,405-8.36	96-.57	61-.36	
24	146,239-83.52	298-.17	14,347-8.19	2,575-1.47		
25	18,569-62.42	1,756-5.93	5,511-18.15	1,976-6.64		
26	66,507-45.32	12,420-8.46	21,205-14.44	32,853-22.38	198-.13	
27	82-100.00					
	1,370,595-40.95	54,116-1.61	1,134,416-33.90	456,398-13.63	13,281-.39	25,497-.76
	BITUMINOUS ⑩					
28	131,836-7.42%	42,229-2.28%	105,886-5.96%	101,438 5.70%	530-.02%	115,415-6.50%
29	15,710-5.80	1,886-.69	9,119-3.37	1,238 .45%		
30	36,635-8.70	2,575-.56	15,669-2.45	12,806 2.82%		
31	3,582-1.48	1,449-.61	29,304-13.44	13,766 5.70%		
32	70,771-1.61	15,722-3.59	11,231-2.37	13,954 3.19%		
33	7,691-3.30	5,816-2.49			100-.04	
	266,225-7.79	69,675-2.03	171,209-5.01	143,202-4.19	630-.01	115,415-3.38
Nº	ANTHRACITE ⑪					
34	10,382-7.95	5,059-3.87	4,657-3.56	1,356-1.03	—	—

OUTPUT IN EACH MONTH ⑫ · BITUMINOUS ⑬ · ANTHRACITE ⑭

DOMESTIC — TONNAGE — PERCENTAGE SAID TONNAGE IS OF ITS OUTPUT FOR THE YEAR 1920

Nº	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	783-12.57%	590-9.57%	528-8.57%	262-4.30%	175-2.8%	228-3.66%	139-2.33%	227-3.64%	385-6.18%	619-9.93%	1,265-20.30%	1,029-16.24%
2	209-10.95%	111-6.08	144-7.88	81-4.38	43-2.36	159-8.71	111-6.08%	208-11.39	172-9.41	122-6.68%	244-13.36	232-12.71%
3	891-15.96	611-10.96	525-9.41	136-2.43	30-.53	88-1.57	236-4.23	97-1.74	635-11.39	492-8.82%	1,083-19.43	751-13.47
4	92,949-10.92	65,113-7.65	62,920-7.40	60,580-7.12	57,407-6.76	68,350-8.06	64,578-7.59	52,580-6.19	67,997-7.99	64,371-7.58	90,971-10.7	102,359-12.04
5	21,425-16.17	3,028-2.26	130-3.09	3,892-2.93	5,203-3.89%	8,705-6.61	9,738-7.38	10,479-7.83	12,580-9.51	15,359-11.52	22,959-17.18	15,529-12.63
6	511-7.92	525-8.13	461-7.14	308-4.78	194-3.00	280-4.33	232-3.59	141-2.18	579-8.97	1,174-18.19	1,412-21.87	639-9.90
7	2,624-17.74	925-6.24	206-1.49	308-2.[illegible]8	114-.76	61-.41	398-2.78	925-6.25	1,334-9.01	1,884-12.73	4,360-29.08	1,677-11.53
8	640-7.66	597-7.15	621-7.43	423-5.06	240-2.86	458-5.48	324-3.87	450-5.39	665-7.97	1,118-14.15	1,616-19.38	1,187-14.23
9	1,508-11.31	1,521-11.53	553-3.90	374-2.50	310-2.14	598-4.22	333-2.31	465-3.23	1,154-8.24	1,853-13.28	2,920-21.07	2,267-16.27
10	239-1[illegible]04	264-14.39	46-2.51	37-2.03	15-.82	13-.70	20-1.09	206-11.23	186-10.14	92-5.01	362-19.74	354-19.30
11	149,615-12.32	56,618-4.75	52,255-4.39	42,411-3.58	48,963-4.02	89,530-7.45	95,962-7.98	125,258-10.29	134,645-11.07	78,095-6.42	185,130-15.22	152,205-12.51
12	4,807-16.23	3,467-11.69	2,577-8.69	1,094-3.69	561-1.89	1,087-3.68	529-1.78	1,248-4.21	2,187-7.37	3,733-12.59	5,128-17.30	3,225-10.88
13	640-7.47	772-9.04	942-11.00	262-3.06	403-4.70	218-2.54	138-1.61	724-8.45	690-8.05	983-11.48	1,464-17.09	1,328-15.51
14	5,617-17.41	2,902-9.06	1,932-5.89	996-3.09	848-2.63	568-1.76	1,198-3.91	1,812-3.61	3,349-10.39	3,846-11.83	5,059-15.59	4,200-13.03
15	4,952-9.46	4,446-8.49	2,432-4.65	308-.59	111-.21	290-.56	3,211-6.14	5,218-9.96	6,366-12.16	7,932-15.15	8,376-16.00	8,707-16.63
16	3,018-14.93	2,037-10.09	1,385-6.85	702-3.47	498-2.46	538-2.66	642-3.17	592-2.92	1,073-5.32	1,348-6.66	4,455-22.01	3,932-19.46
17	2,457-16.93	2,074-14.29	1,419-9.78	607-4.18	283-1.95	279-1.92	223-1.53	258-1.78	767-5.28	1,377-9.49	2,735-18.84	2,036-14.08
18	2,141-15.86	2,237-16.58	1,307-9.68	200-1.49	18-.01	77-.57	33-.24	123-.91	918-6.89	1,065-7.96	2,618-19.27	2,774-20.54
19	11,422-15.74	4,527-6.24	4,999-6.89	4,122-5.69	2,441-3.36	2,578-3.56	861-1.18	4,895-6.74	7,019-9.67	7,788-10.73	11,972-16.50	9,943-13.70
20	10,772-20.26	6,321-11.87	3,204-6.01	2,889-5.44	1,563-2.93	1,105-2.07	1,456-2.75	1,940-3.64	3,759-7.06	5,391-10.12	7,592-14.25	7,238-13.60
21	49,415-14.40	30,673-8.92	34,862-10.16	27,733-8.08	15,011-4.37	11,456-3.31	12,078-3.52	20,559-5.99	27,425-7.99	34,235-9.97	35,862-10.45	44,087-12.84
22	15,807-16.28	9,378-9.66	9,323-9.60	7,610-7.83	4,094-4.21	3,175-3.27	2,580-2.66	4,386-4.52	8,029-8.26	9,463-9.74	9,822-10.11	13,466-13.86
23	2,874-17.10	1,411-8.38	516-3.07	78-.46				1,083-6.44	1,618-9.62	2,791-16.6	3,270-19.46	3,166-18.87
24	18,092-10.28	8,011-4.63	15,784-9.01	13,201-7.54	9,882-5.64	10,428-5.95	10,688-6.10	14,926-8.52	16,215-9.26	14,724-8.41	22,550-12.88	20,601-11.78
25	4,893-16.44	1,696-5.70	1,045-3.51	2,215-7.44	672-2.26	510-1.71	1,560-5.24	2,419-8.13	2,836-9.53	3,352-11.28	4,584-15.42	3,967-13.34
26	13,935-9.98	10,140-6.90	10,336-7.04	8,020-5.46	9,139-6.22	10,353-7.14	11,262-7.66	15,151-10.31	12,258-8.34	12,954-8.81	16,457-11.20	16,805-11.44
27	30-36.59		7-8.53	45-54.88								
	422,257-12.58%	219,995-6.55%	214,459-6.39%	178,861-5.32%	158,218-4.11%	211,632-6.30	218,550-6.51%	266,370-7.93%	314,837-9.37%	276,161-8.22	454,264-13.52%	423,704-12.61%
	BITUMINOUS ⑬											
28	151,170-8.51%	148,620-8.37%	105,802-5.96%	77,897-4.39%	134,813-7.59%	153,788-8.66%	157,557-8.87%	158,443-8.93%	164,388-9.26%	165,589-9.33%	182,580-10.28%	174,882-9.85%
29	26,460-9.60%	24,611-8.94%	18,399-6.67%	8,234-2.99%	21,515-7.81%	24,694-8.96%	23,552-8.55%	24,015-8.72%	24,787-8.99%	23,975-8.70%	27,577-10.02%	27,692-10.05%
30	37,627-8.28	35,496-7.82	34,102-7.52	37,645-8.28	29,616-6.52	39,574-6.72	38,296-8.45	42,662-9.42	38,138-8.40	28,082-6.18	42,752-9.42	49,885-10.99
31	22,717-9.41	35,035-14.51	21,619-8.95	15,746-6.52	13,201-5.47	14,484-6.00	18,375-7.62	19,489-8.07	16,134-6.68	15,564-6.44	23,747-9.84	25,318-10.49
32	34,367-7.86	34,568-7.80	37,262-8.52	34,997-8.22	34,498-7.87	38,203-8.72	38,392-8.78	41,350-9.44	34,642-7.90	36,291-8.30	37,409-8.56	35,116-8.03
33	20,405-8.66	19,190-8.15	26,762-11.36	20,949-8.89	19,506-8.26	15,190-6.44	7,815-3.34	11,478-4.87	18,685-7.93	22,915-9.73	25,892-10.99	26,797-11.38
	292,746-8.56%	297,520-8.70%	243,946-7.13%	195,468-5.72%	253,149-7.41%	285,933-8.36%	283,987-8.31%	297,437-8.70%	296,774-8.68%	292,416-8.56%	339,955-9.94%	339,690-9.93%
Nº	ANTHRACITE ⑭											
34	12,146-9.29%	10,791-8.26%	13,930-10.67%	11,395-8.73%	11,418-8.74%	11,286-8.64%	10,130-7.75%	11,247-8.62%	8,183-6.27%	9,304-7.12%	9,526-7.29%	11,238-8.61%

BITUMINOUS COAL SOLD TO RAILWAY - 1920 ⑮

Nº	FIELD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
28	CROWS NEST PASS	101,034-8.41%	117,336-9.78%	75,602-6.30%	46,822-3.9%	87,467-7.28%	107,878-8.98%
29	CANMORE	23,282-10.04	21,679-9.35	16,279-7.02	5,922-2.55	16,331-7.04	21,675-9.35
30	BRAZEAU	33,086-8.33	32,141-8.08	30,927-7.78	34,425-8.66	25,804-6.49	34,568-8.69
31	MOUTAIN PARK	6,487-3.58	31,150-17.19	13,580-7.99	13,618-7.51	10,878-6.00	12,157-6.71
32	YELLOWHEAD PASS	26,763-8.65	21,463-6.92	23,379-9.67	19,206-6.95	[illegible]-8.63	29,562-9.55
33	JASPER PARK	11,970-5.88	17,605-8.67	24,858-12.21	19,817-9.4	[illegible]-8.98	12,676-6.23
	TOTALS	202,622-7.83	241,374-9.33	184,625-7.22	139,810-5.40	185,498-7.16	218,516-8.45

Nº	FIELD	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
28	CROWS NEST PASS	103,064-8.58%	85,694-7.14%	94,485-7.87%	108,817-9.06%	140,462-11.69%	132,227-11.01%
29	CANMORE	19,804-8.55	18,640-8.04	19,042-8.21	20,445-8.83	24,048-10.38	24,652-10.65
30	BRAZEAU	32,913-8.18	36,527-9.19	32,937-8.28	22,805-5.75	36,807-9.27	44,493-11.19
31	MOUNTAIN PARK	14,004-7.75	13,850-7.64	11,214-6.18	11,866-6.55	19,803-10.93	22,606-12.47
32	YELLOWHEAD PASS	28,065-9.05	31,102-10.03	21,768-7.03	28,484-9.18	27,125-8.75	26,029-8.39
33	JASPER PARK	5,001-2.45	9,180-4.51	16,138-7.93	20,262-9.95	23,101-11.35	24,604-12.09
	TOTALS	202,851-7.84	194,993-7.54	195,582-7.56	212,679-8.22	271,346-10.49	274,611-10.61

Nº	FIELD	⑯ TONNAGE & PERCENT (AMOUNT & PERCENTAGE THE FIELD IS OF THE TOTAL OUTPUT)	⑰ TONNAGE & PERCENTAGE (AMOUNT & % THE FIELD IS OF TOTAL BITUMINOUS)	⑱ TONNAGE & PERCENTAGE (AMOUNT & % IT IS OF TOTAL SOLD TO RAILWAYS)
28	CROWS NEST PASS	1,773,009-25.73%	1,773,009-51.90%	1,200,886-47.91%
29	CANMORE	275,511-4.00	275,511-8.06	231,799-9.25
30	BRAZEAU	456,417-6.62	456,417-13.36	379,433-15.14
31	MOUNTAIN PARK	241,429-3.50	241,429-7.06	181,213-7.23
32	YELLOWHEAD PASS	437,093-6.34	437,093-12.79	309,676-12.35
33	JASPER PARK	233,044-3.38	233,044-6.83	203,500-8.12
	TOTALS	3,416,503-49.56	3,416,503-100%	2,506,507-100%

⑲ TONNAGE & % — AMOUNT - BITUMINOUS % IT IS OF TOTAL OUTPUT — 3,416,531-49.58%

⑳ TONNAGE & PERCENTAGE — AMOUNT - DOMESTIC % IT IS OF TOTAL OUTPUT — 3,359,508-48.52%

㉑ AMOUNT - ANTHRACITE % IT IS OF TOTAL OUTPUT — 130,594-1.90%

NOTE EACH SPACE REPRESENTS 1%

NOTE RE TABLE 15 { The Percentages represent what each Month is, of the entire year's Sales.

INDEX

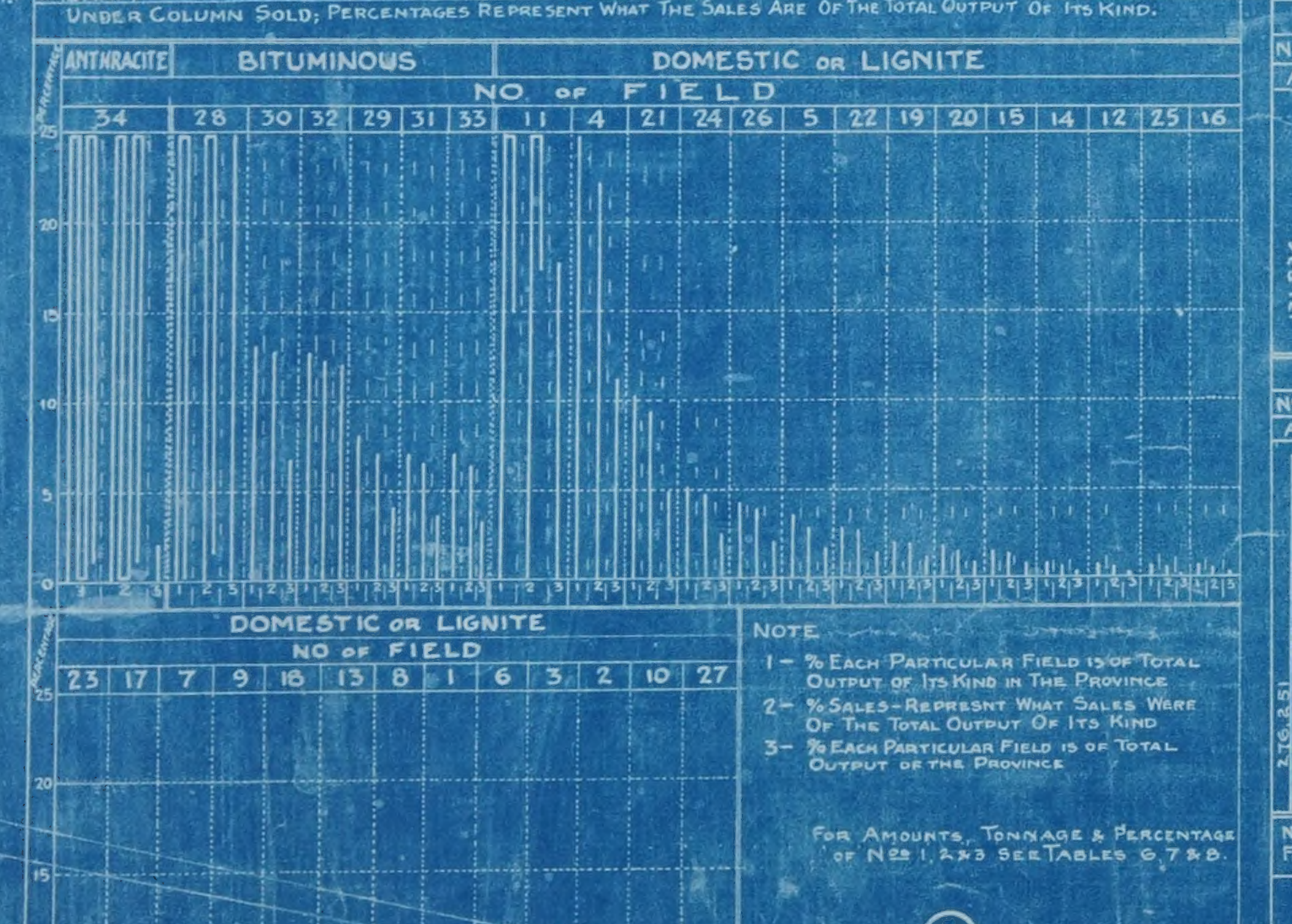
Table Nos shown thus :- ⑯

FIELDS
- Nos & Names — General Map & Table Nos 6, 7 & 8
- Quality of — " " " " "

ANTHRACITE — FIELD Nº 34
Tonnage, Disposition of, Percentages, etc.
- Tonnage — Nos 1 & 8
- Where sold as Coal (Domestic) — 11
- Monthly Output — 14 & 24 (compve Graph)
- Percentage Presentation — 21 & 22

BITUMINOUS — FIELDS 28 to 33
Tonnage, Sales, Disposition of, Percentages, etc.
- Tonnage, Sales & Percentages — Nos 1, 7, 16, 17, 18, 19 & 22
- Sales to Railways — 3, 15, & 18
- Where sold (other than R'lys) — 1, 4, 10 & 23
- Monthly Output — 13 & 24 (compve Graph)
- Monthly Sales to R'lys — 15

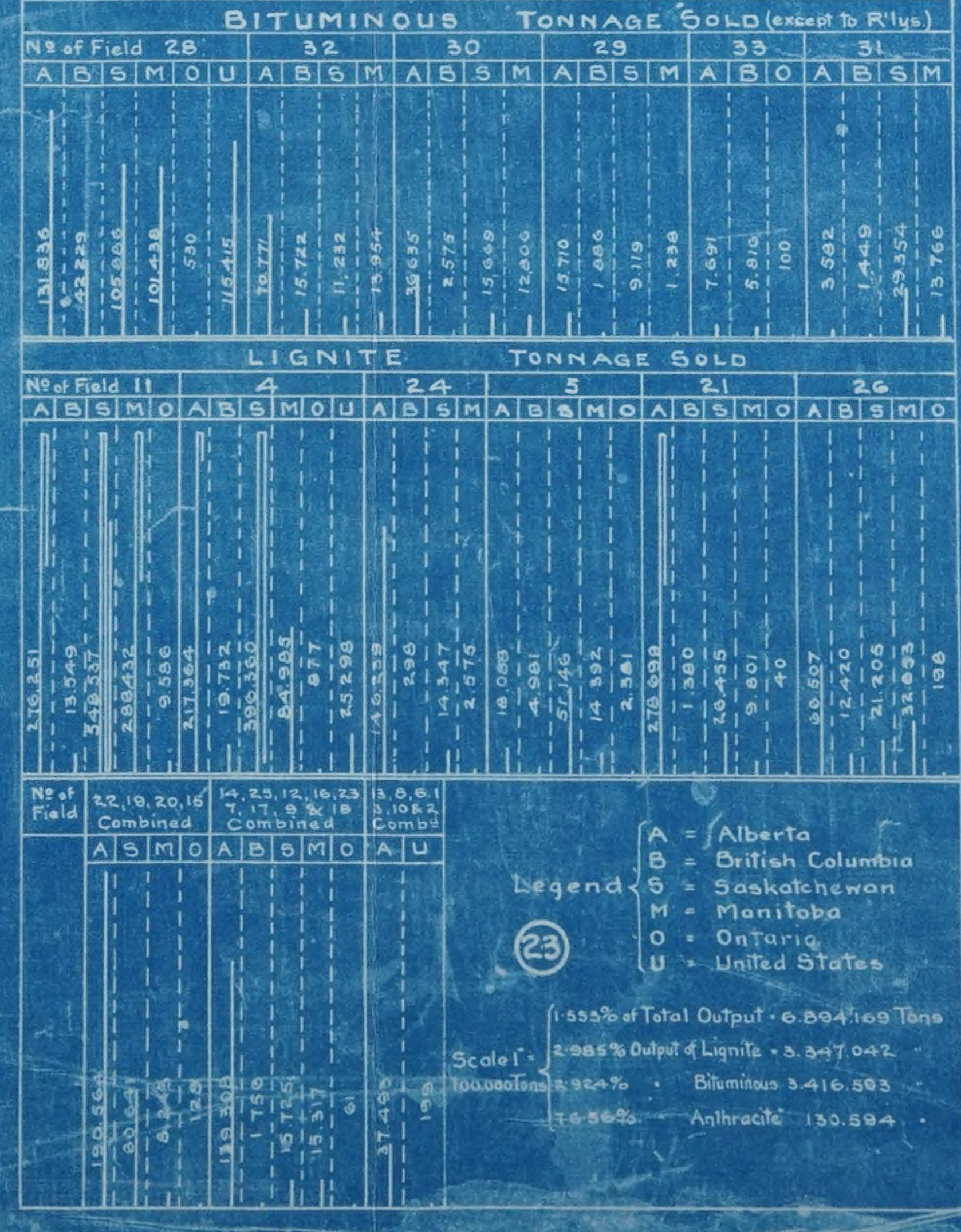
LIGNITE OR DOMESTIC — FIELDS 1 to 27.
Tonnage, Sales, Disposition of, Percentages etc.
- Tonnage, Sales & Percentages — Nos 1, 6, 20 & 22
- Where sold — 1, 9 & 23
- Monthly Output — 12 & 24 (compve Graph)

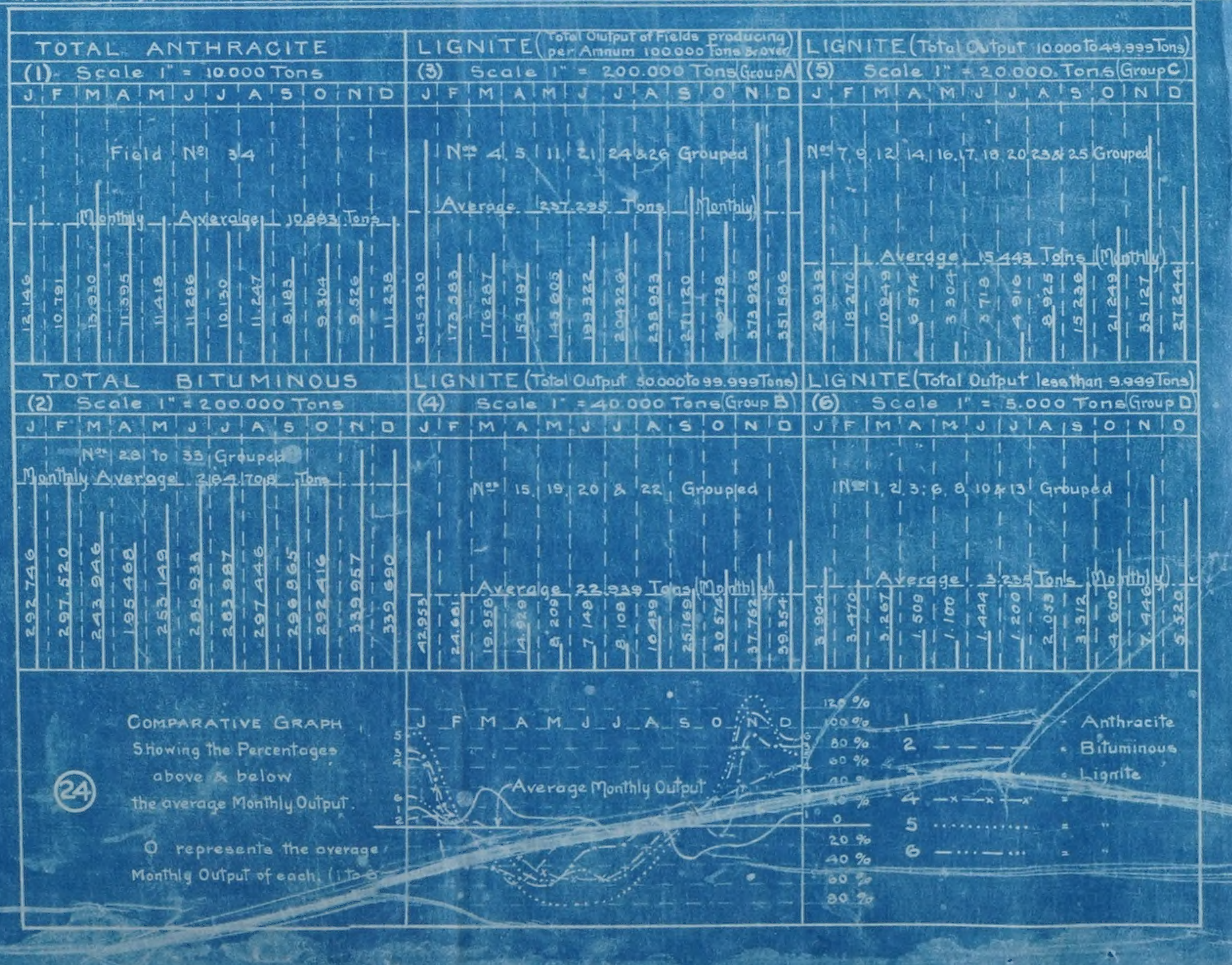


NOTE
1 - % Each Particular Field is of Total Output of Its Kind in The Province
2 - % Sales - Represnt What Sales Were Of The Total Output Of Its Kind
3 - % Each Particular Field is of Total Output of the Province

For Amounts, Tonnage & Percentage of Nos 1, 2 & 3 See Tables 6, 7 & 8.

㉒





* The Total Output is as shown, from which 101.922 Tons of Briquettes were made & of that amount 101.693 Tons were used by Railways, which is in addition to Bituminous shown in Table ⑱ making in all 2.608.[illegible] used by Railways, being 73.33 % of the Output.

NOTE

The Map shows the location of the various Fields, the quality of Coal produced in each, the Railway connection, and the chief centres served by said Railways.

Tables 6, 7 & 8 are of interest, showing the analysis, quality, output & percentage each Field is of the total output of its kind, also of Sales.

Tables 9, 10 & 11 are interesting, showing where the Coals of each Field find a market.

Lignite :- It will be noticed of the output, all the Fields sell Coal in Alberta. In B.C. 7 out of the 27 Fields supply Coal. In Sask. & Man. 17 out of the 27 Fields. In Ont. 8, & in the U. States 2.

Notice also the great differences in volume of the production of the various Fields & also the amount in tons sold & where sold outside of Alberta.

The same data for Bituminous & Anthracite (Tables 10 & 11) affecting particularly where these Coals are disposed of. See Tables 3, 15 & 18, regarding Coal sold to Railways.

Tables 12, 13, 14 & 24 are worthy of study, in regard to the monthly variation in output. Note particularly the comparative Graph, at bottom of Table 24. Also in said Table, as shown in Groups 1 to 6. It is particularly striking the more nearly the Anthracite & Bituminous approach the average, compared with the Lignites, particularly the smaller producers. If there was in Group A, of Table 24, sufficient force to produce 373.929 tons in November, for 12 months, it should have an output of 4.487.148 tons. It produced 2.847.541 tons, the latter being 63.5 % of the former. Group A produced 85.1 % of the total Lignite output.

Table 15 shows the Railway consumption each month, & from what Field & the amount obtained.

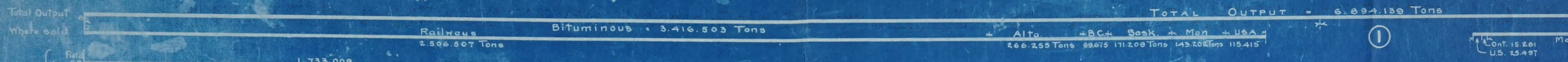
There is nothing in the Report to show to what extent in the various Provinces such R'ly consumption is effected.

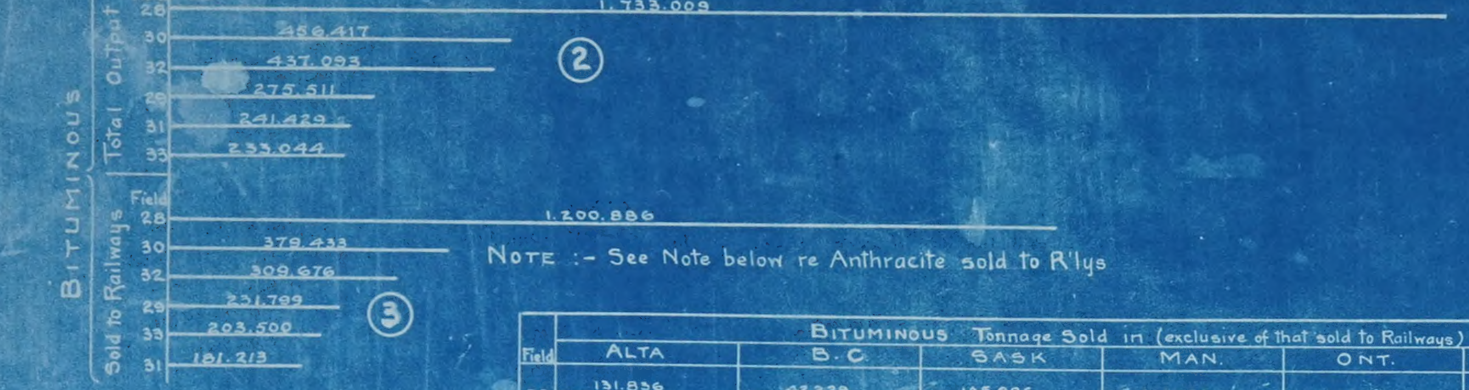
It may be that under a strict class'n Nos [illegible] 32 embraced some Coals of fairly high quality, but possibly not strictly Bituminous.

Analysis of some of the Coal in Fields 30 & 32

	M	V		
[illegible] Creek (Field 30)	10.8 to 4.8	[illegible] to 33.1	55.8	6.4 to 6.5
Lovett	[illegible]	34.9 to 29.7	54.3 to 46.9	16.1 to 4.8
Coalspur	[illegible] to 6.6	37.3 to 33.2	51.7 to 45.7	12.7 to 8.2

Plan Nº 66





NOTE :– See Note below re Anthracite sold to R'lys

④

Field	BITUMINOUS Tonnage Sold in (exclusive of that sold to Railways) ALTA	B.C.	SASK	MAN.	ONT.	U.S.
28	131.836	42.229	105.886	101.438	530	115.415
30	36.635	2.575	15.669	12.806	0	0
32	70.771	15.722	11.231	13.954	0	0
29	15.710	1.886	9.119	1.238	0	0
31	3.582	1.449	29.304	13.766	0	0
33	7.691	5.816	0	0	100	0

C.P.R. DEPARTMENT OF COLONIZATION & DEVELOPME

COAL OUTPUT OF ALBERTA—

AUTHORITY FOR PRODUCTION, DISPOSITION OF, WHEN & WHERE PRODUCED :– MINES BRANCH REPORT F

GRAPH Nº 59. CALGARY. APRIL 25th 1921.

Re Tables Nº 6, 7 & 8

C · McGill University Investigations by Porter, Durley. Nº 83 Vol. 13.
D · Mines Branch Nº 331. 1915
E · Memoir 53 Nº 44 Geo. Survey. D. B. Dowling. 1914.
G · Various Sources, believed by Compiler to be fairly correct.
M · Moisture.
V · Volatile Combustible.
F · Fixed Carbon.
A · Ash
B.T.U. · British Thermal Units

Compiled from advance Sheets of Report, evide
Errors corrected under the direction of undersign
the many subdivisions made, was unable to have
extent they probably should have been. It is b
there are no material errors.

NOTE It is probable, that because of the system adopted in securing & forwarding samples to where the Analysis is made, from
content should be added there-to. The higher the said Moisture content, the greater the percentage that should
In the case of the Ash from 2% to 5% should be added. When this is done then a correction will be
of Volatile & Fixed Carbon, said correction to be proportional to the amounts given in the Analy

To Illustrate :– Take Nº 24, assuming an addition of 25% for Moisture & 5% for Ash then the correct* Analysis would be. M 25·0 V 29·23 F 37·37 A 8·4 not M 20·0 V 31·

DOMESTIC OR LIGNITE ⑥

Nº	FIELD	ANALYSES M	V	F	A	B.T.U.	AUTHORITY	OUTPUT IN TONS	PERCENTAGES OF TOTAL OUTPUT	OF ITS KIND	SOLD
1	MILK RIVER							6,230.	·10%	·20%	·20%
2	MAGRATH	3·91	38·01	46·75	11·33	11,887	E	1,827.	·02%	·05%	·05%
3	PINCHER CREEK	3·8	28·96	38·67	28·57	9,810	C	5,575.	·09%	·17%	·17%
4	LETHBRIDGE	7·9	34·54	47·43	10·13	11,710	C	850,662.	12·43%	25·42%	22·25
5	TABER	11·7	31·79	44·06	12·45	11,040	C	121,685.	1·74%	3·63%	2·75%
6	BOW ISLAND	17·26	30·90	46·27	5·57	9,259	E	6,456.	·10%	·20%	·19%
7	MEDICINE HAT	19·06	33·07	42·35	5·51	8,833	E	14,699.	·21%	·43%	·41%
8	ALDERSYDE	10·37	32·00	50·84	6·78	10,109	G	8,339.	·11%	·25%	·24%
9	BROOKS							13,853.	·20%	·41%	·41%
10	HIGH RIVER	2·33	35·27	56·55	5·87		E	1,834	·02%	·05%	·05%
11	DRUMHELLER	16·5	33·6	43·4	6·5	9,650	D	1,209,886.	17·55%	36·26%	33·88%
12	HANNA							29,643.	·43%	·89%	·83%
13	CARBON	11·57	35·64	45·21	7·79		E	8,564.	·12%	·25%	·23%
14	THREE HILLS	11·70	30·75	51·35	6·2		G	32,327.	·46%	·96%	·84%
15	BIG VALLEY	17·26	30·90	5·57	9·259		E	52,349.	·75%	1·57%	1·55%
16	TROCHU	12·2	32·1	49·3	6·4	10,002	G	20,218.	·30%	·61%	·54%
17	LACOMBE	14·7	31·17	42·03	12·10	8,714	G	14,509.	·21%	·43%	·43%
18	BATTLE RIVER	13·0	33·75	46·59	6·66	9,744	G	13,509.	·19%	·41%	·39%
19	CAMROSE	16·8	31·22	45·13	6·35	9,361	G	72,567.	1·05%	2·16%	2·04%
20	TOFIELD	25·0	29·8	36·7	8·5	7,990	D	53,226.	·78%	1·61%	1·56%
21	CLOVERBAR							345,396.	4·88%	10·22%	9·45%
22	EDMONTON	18·97	32·61	40·18	8·25	11,000	C	97,133.	1·40%	2·91%	2·63%
23	NAMAO							16,807.	·24%	·50%	·48%
24	CARDIFF	20·0	31·6	40·4	8·0	8,770	D	175,102.	2·61%	5·23%	4·89%
25	WABAMUN	16·4	31·52	45·19	6·9	9,234	G	29,751.	·43%	·89%	·83%
26	PEMBINA	17·6	29·22	43·85	9·33	9,040	D	146,810.	2·10%	4·39%	3·97%
27	PEACE RIVER							82.			
	TOTALS							3,347,042.	3,347,042-48·52%	3,347,042-100%	3,054,333-91·26%

EACH SPACE REPRESENTS ONE PERCENT

BITUMINOUS ⑦

Nº	FIELD	M	V	F	A	B.T.U.	AUTHORITY	OUTPUT IN TONS	OF TOTAL OUTPUT	OF ITS KIND	SOLD
28	CROWS NEST PASS	4·77	26·1	56·41	16·62	12,410	C	1,773,009.	25·74%	51·90%	49·71%
29	CANMORE	1·02	13·41	82·02	3,62		E	275,511.	4·00%	8·06"	7·60"
30	BRAZEAU	·51	17·53	61·35	3·61	13,155	G	456,417.	6·62"	13·36"	13·08"
31	MOUNTAIN PARK	3·2	30·5	62·0	4·3	14,210	G	241,429.	3·50"	7·06"	6·71"
32	YELLOWHEAD PASS	2·3	18·5	57·8	21·4	11,580	G	437,093.	6·34"	12·79"	12·33"
33	JASPER PARK	2·3	18·5	57·8	21·4	11,580	G	233,044.	3·38"	6·83"	6·35"
	TOTALS							3,416,503.	3,416,503-49·58%	3,416,503-100%	3,272,863-95·77%

ANTHRACITE ⑧

Nº	FIELD	M	V	F	A	B.T.U.	AUTHORITY	OUTPUT IN TONS	OF TOTAL OUTPUT	OF ITS KIND	SOLD
※ 34	BANFF	0·6	13·75	72·30	13·35	13,640	C	130,594.	1·90%	100%	

UNDER COLUMN SOLD; PERCENTAGES REPRESENT WHAT THE SALES ARE OF THE TOTAL OUTPUT OF ITS KIND.

WHERE SOLD ⑨

TONNAGE & PERCENTAGE SAID TONNAGE IS OF TOTAL YEARS OUTPUT OF SAID FIELD

Nº	ALBERTA	BRITISH COLUMBIA	SASKATCHEWAN	MANITOBA	ONTARIO	UNITED STATES
1	6052-96·80%					199-3·19%
2	1819-100·00%					
3	5625-101·00%					
4	217,364-24·10%	19,732-2·19%	396,360-44·00%	84,985-9·44%	887-·09%	25,298-2·81%
5	18,088-14·08%	4,981-3·87"	51,146-39·75"	14,392-11·17"	2,381-1·84%	
6	6,196-95·90"					
7	5,826-39·60"		6,514-44·30"	1,566-10·66"		
8	8,088-97·00"					
9	13,853-100·00"					
10	1,794-97·82"					
11	276,251-21·57"	13,549-1·05"	548,537-42·88"	288,432-22·55"	9,586-·74"	
12	26,776-90·31"		1,156-3·90"	198-·66"		
13	7,919-90·47"					
14	18,172-56·23"		540-1·67"	9,161-28·34"		
15	23,087-44·10"		23,978-44·58"	4,522-8·63"	64-·12"	
16	14,910-73·72"		599-[illegible]·96"	2,259-11·17"		
17	14,398-99·31"			61-·42"		
18	12,859-95·20"					
19	47,856-65·92"		19,012-26·19"	1,512-2·08"	64-·08"	
20	34,794-65·37"		15,998-30·05"	1,284-2·41"		
21	278,699-81·16"	1,380-·40"	26,455-7·70"	9,601-2·79"	40-·01"	
22	84,827-87·32"		1,653-1·70"	925-·95"		
23	13,945-82·98"		1,405-8·36"	96-·57"	61-·36"	
24	146,239-83·52"	298-·17"	14,347-8·19"	2,575-1·47"		
25	18,569-62·42"	1,756-5·93"	5,511-18·15"	1,976-6·64"		
26	66,507-45·32"	12,420-8·46"	21,205-14·44"	32,853-22·38"	198-·13"	
27	82-100·00"					
	1,370,595-40·95"	54,116-1·61"	1,134,416-33·90"	456,398-13·63"	13,281-·39"	25,497-·76"

⑩ BITUMINOUS

Nº	ALBERTA	BRITISH COLUMBIA	SASKATCHEWAN	MANITOBA	ONTARIO	UNITED STATES
28	131,836-7·42%	42,229-2·28%	105,886-5·96%	101,438 5·70%	530-·02%	115,415-6·50%
29	15,710-5·80"	1,886-·69"	9,119-3·37"	1,238 ·45%		
30	36,635-8·70"	2,575-·56"	15,669-2·45"	12,806 2·82%		
31	3,582-1·48"	1,449-·61"	29,304-13·44"	13,766 5·70%		
32	70,771-1·61"	15,722-3·59"	11,231-2·37"	13,954 3·19%		
33	7,691-3·30"	5,816-2·49"			100 ·04"	
	266,225-7·79"	69,675-2·03"	171,209-5·01	143,202-4·19"	630-·01"	115,415-3·38"

⑪ ANTHRACITE

Nº	ALBERTA	BRITISH COLUMBIA	SASKATCHEWAN	MANITOBA	ONTARIO	UNITED STATES
34	10,382-7·95"	5,059-3·87"	4,657-3·56"	1,356-1·03"	——	——

DOMESTIC OUTPUT IN EACH MONTH ⑫

TONNAGE — PERCENTAGE SAID TONNAGE IS OF ITS OUTPUT

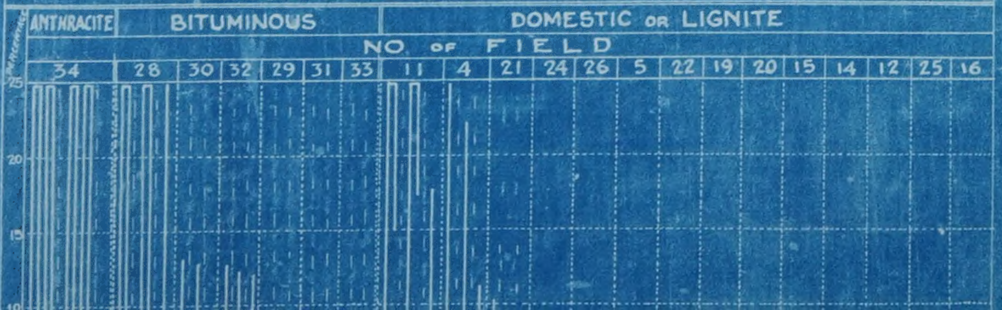
Nº	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
1	783-12·57%	590-9·57%	528-8·57%	262-4·30%	175-2·8%	228-3·66%	139-2·33%	227-3·6
2	209-10·95%	111-6·08"	144-7·88"	81-4·38"	43-2·36"	159-8·71"	111-6·08%	208-11·5
3	891-15·96"	611-10·96"	525-9·41"	136-2·43"	30-·53"	88-1·57"	236-4·23"	97-1·7
4	92,949-10·92"	65,113-7·65"	62,920-7·40"	60,580-7·12"	57,407-6·76"	68,850-8·06"	64,578-7·59"	52,580-6·19
5	21,425-16·17"	3,028-2·26"	130-3·09"	3,892-2·93"	5,203-3·89%	8,705-6·61"	9,738-7·38"	10,479-7·83
6	,511-7·92"	525-8·13"	461-7·14"	308-4·78"	194-3·00%	280-4·33"	232-3·59	141-2·18
7	2,624-17·74"	925-6·24"	206-1·49"	308-2·[illegible]"	114-·76"	61-·41"	398-2·78	925-6·25
8	640-7·66"	597-7·15"	621-7·43"	423-5·06"	240-2·86"	458-5·48"	324-3·87"	450-5·39
9	1,508-11·31"	1,521-11·53"	553-3·90"	374-2·50"	310-2·14"	598-4·22"	333-2·31"	465-3·23
10	239-1[illegible]·04"	264-14·39"	46-2·51"	37-2·03"	15-·82"	13-·70"	20-1·09"	206-11·23
11	149,615-12·32"	56,618-4·75"	52,255-4·39"	42,411-3·58"	48,963-4·02"	89,550-7·45"	95,962-7·98"	125,258-10·29
12	4,807-16·23"	3467-11·69"	2,577-8·69"	1,094-3·69"	561-1·89"	1,087-3·68"	529-1·78"	1,248-4·21
13	640-7·47"	772-9·04"	942-11·00"	262-3·06"	403-4·70"	218-2·54"	138-1·61"	724-8·45
14	5,617-17·41"	2,902-9·06"	1,932-5·89"	996-3·09"	848-2·63"	568-1·76"	1,198-3·91"	1,812-3·61
15	4,952-9·46"	4,446-8·49"	2,432-4·65"	308-·59"	111-·21"	290-·56"	3,211-6·14"	5,218-9·9
16	3,018-14·93"	2,037-10·09"	1,385-6·85"	702-3·47"	498-2·46"	538-2·66"	642-3·17"	592-2·9
17	2,457-16·93"	2,074-14·29"	1,419-9·78"	607-4·18"	283-1·95"	279-1·92"	223-1·53"	258-1·7
18	2,141-15·86"	2,237-16·58"	1,307-9·68"	200-1·49"	18-·01"	77-·57"	33-·24"	123-·9
19	11,422-15·74"	4,527-6·24"	4,999-6·89"	4,122-5·69"	2,441-3·36"	2,578-3·56"	861-1·18"	4,895-6·7
20	10,772-20·26"	6,321-11·87"	3,204-6·01"	2,889-5·44"	1,563-2·93"	1,105-2·07	1,456-2·75"	1,940-3·6
21	49,415-14·40"	30,673-8·92"	34,862-10·16"	27,733-8·08"	15,011-4·37"	11,456-3·31"	12,878-3·52"	20,559-5·9
22	15,807-16·28"	9,378-9·66"	9,323-9·60"	7,610-7·83"	4,094-4·21"	3,175-3·27"	2,580-2·66"	4,386-4·5
23	2,874-17·10"	1,411-8·38"	,516-3·07"	78-·46"				1,083-6·4
24	18,091-10·28"	8,011-4·63"	15,784-9·01"	13,201-7·54"	9,882-5·64	10,428-5·95"	10,688-6·10"	14,926-8·5
25	4,893-16·44"	1,696-5·70"	1,045-3·51"	2,215-7·44"	6,672-2·26	510-1·71"	1,560-5·24"	2,419-8·1
26	13,935-9·98"	10,140-6·90"	10,336-7·04"	8,020-5·46"	9,139-6·22	10,353-7·14"	11,262-7·66"	15,151-10·3
27	30-36·59"		7-8·53"	45-54·88"				
	422,257-12·58%	219,995-6·55%	214,459-6·39%	178,861-5·32%	158,218-4·11%	211,632-6·30	218,550-6·51%	266,370-7·9

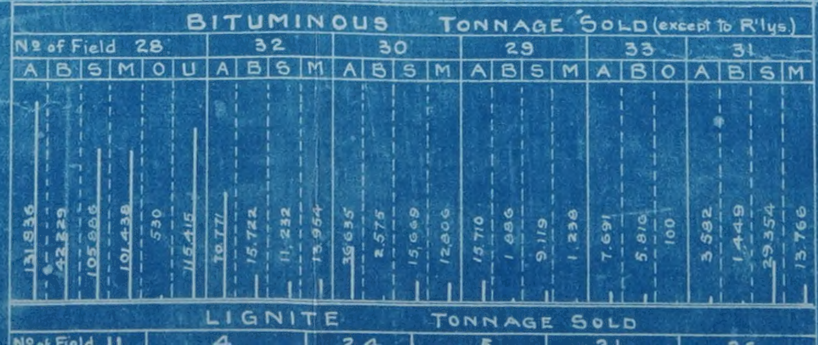
BITUMINOUS

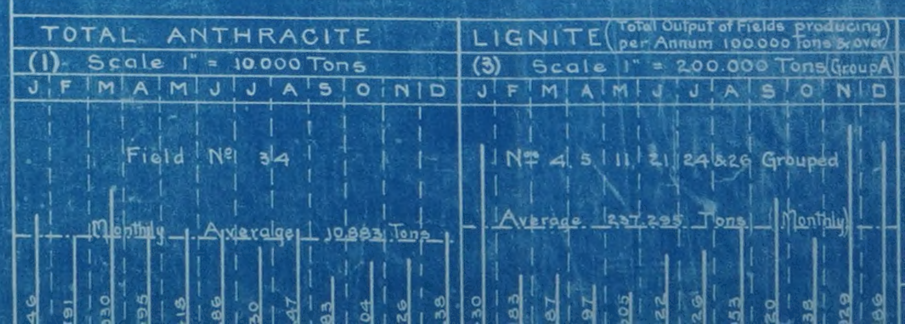
Nº	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
28	151,170-8·51%	148,620-8·37%	105,802-5·96%	77,897-4·39%	134,813-7·59%	153,788-8·66%	157,557-8·87%	158,443-8·9
29	26,460-9·60%	24,611-8·94%	18,399-6·67%	8,234-2·99%	21,515-7·81%	24,694-8·96%	23,552-8·55%	24,015-8·7
30	37,627-8·28"	35,496-7·82"	34,102-7·52"	37,645-8·28"	29,016-6·52"	39,574-8·72"	38,296-8·45"	42,662-9·4
31	22,717-9·41"	35,035-14·51"	21,619-8·95"	15,746-6·52"	13,201-5·47"	14,484-6·00"	18,375-7·62"	19,489-8·0
32	34,367-7·86"	34,568-7·80"	37,262-8·52"	34,997-8·22"	34,498-7·87"	38,203-8·72"	38,392-8·78"	41,350-9·4
33	20,405-8·66"	19,190-8·15"	26,762-11·36"	20,949-8·89"	19,506-8·26"	15,190-6·44"	7,815-3·34"	11,478-4·
	292,746-8·56%	297,520-8·70%	243,946-7·13%	195,468-5·72%	253,149-7·41%	285,933-8·36%	283,987-8·31%	297,437-8·

ANTHRACITE

Nº	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
34	12,146-9·29%	10,791-8·26%	13,930-10·67%	11,395-8·73%	11,418-8·74%	11,286-8·64%	10,130-7·75%	11,247-8·







TAL OUTPUT = 6.894.139 Tons

Mon 143.202 Tons USA 115.415

①

Domestic or Lignite = 3.347.042 Tons

Ont. 15.281
U.S. 25.497
Man. 456.398
Sask. 1.134.416
B.C. 54.116
Alta. 1.370.595

Anthracite 130.594

Total Output
Where Sold

MENT OF COLONIZATION & DEVELOPMENT

PUT OF ALBERTA-1920

POSITION OF, WHEN & WHERE PRODUCED :- MINES BRANCH REPORT FOR ALBERTA.

CALGARY. APRIL 25th 1921. Wm PEARCE.

ley. No 83 Vol. 13.
ing. 1914.
be fairly correct.

sh Thermal Units

Compiled from advance Sheets of Report, evidently not finally checked. Errors corrected under the direction of undersigned, who, however, owing to the many subdivisions made, was unable to have checks made to the extent they probably should have been. It is believed however that there are no material errors.

oted in securing & forwarding samples to where the Analysis is made, from 10 to 25 % of the Moisture
gher the said Moisture content, the greater the percentage that should be added.
should be added. When this is done then a correction will be necessary, in the case
rection to be proportional to the amounts given in the Analysis.

	M	V	F	A		M	V	F	A
lition of 25 % for Moisture alysis would be	25.0	29.23	37.37	8.4	not	20.0	31.6	40.4	8.0

Lignite. Where disposed of

Man.	Sask.	U.S.	Ont.	B.C.	Alta.	Field
288.432	548 537		9.586	13.549	276.251	11
84885	396.360	25.298	877	19 732	217.364	4
9.601	26.455		40	1.380	278.699	21
2.578	14.347			298	146.239	24
32 853	21.205		198	1240	66.507	26
14.392	51.146		2.381	4981	18.088	5

Group A

⑤

Lignite. Where disposed of

Man.	Sask.	U.S.	Ont.	B.C.	Alta.	Group
8243	60.641	0	128	0	190.564	B
15317	15 725	0	61	1.756	139.308	C
0	0	199	0	0	37.493	D

Total Output.

Total Output	Field No
1.209.888	11
850.862	4
343.396	21
175.102	24
146.810	26
121.685	5
275.266	22, 19 20 & 15
185.309	14, 25, 12 16, 23, 7 17, 9 & 18
38.825	13, 8, 6, 1 3, 10 & 2

Group A: Output of Group A 2.847.541 Tons = 85.1 % of Total
B = 8.2 % of Total
C = 5.5 % " "
D = 1.2 % " "

⑤

LIGNITE GROUPS

Grouping together Nos 11, 4, 21, 24, 26 & 5 as A = the Output of those Fields (100.000 Tons & over)
" " Nos 22 19 20 & 15 " B = " " " " " (between 50.000 & 99.999 Tons)
" " Nos 14, 25, 12 16, 23, 7, 17, 9 & 18 " C = " " " " " (" 10.000 & 49.999 ")
" " Nos 3, 8, 6, 1, 3, 10 & 2 " D = " " " " " (" 0 & 9.999 ")

LIGNITE SALES

Total Sales of Group A = 96.76 % of its Output
" " " " B = 94.37 % " " "
" " " " C = 92.91 % " " "
" " " " D = 97.06 % " " "
" " " A+B+C+D = 91.26 % " " "

% Distribution based on Total Sales	Group	Alta.	B.C.	Sask	Man.	Ont.	U.S.
	A	32.85	1.71	34.64	14.17	0.43	0.53
	B	6.24	–	1.99	0.27	–	–
	C	4.56	0.06	0.52	0.50	–	–
	D	1.23	–	–	–	–	–
Total %		44.88	1.77	37.15	14.94	0.43	0.53

OUTPUT IN EACH MONTH ⑫

TONNAGE — PERCENTAGE SAID TONNAGE IS OF ITS OUTPUT FOR THE YEAR 1920

MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	No
528 - 8.57%	262 - 4.30%	175 - 2.8%	228 - 3.66%	139 - 2.33%	227 - 3.64%	385 - 6.18%	619 - 9.93%	1,265 - 20.30%	1,029 - 16.24%	1
144 - 7.88 "	81 - 4.38 "	43 - 2.36 "	159 - 8.71 "	111 - 6.08%	208 - 11.59 "	172 - 9.41 "	122 - 6.68%	244 - 13.36 "	232 - 12.71%	2
525 - 9.41 "	136 - 2.43 "	30 - .53 "	88 - 1.57 "	236 - 4.23 "	97 - 1.74 "	635 - 11.39 "	492 - 8.82%	1,083 - 19.43 "	751 - 13.47 "	3
62,920 - 7.40 "	60,580 - 7.12 "	57,407 - 6.76 "	68,850 - 8.06 "	64,598 - 7.59 "	52,580 - 6.19 "	67,997 - 7.99 "	64,371 - 7.58 "	90,971 - 10.7 "	102,359 - 12.04 "	4
130 - 3.09 "	3,892 - 2.93 "	5,203 - 3.89%	8,705 - 6.61 "	9,738 - 7.38 "	10,479 - 7.83 "	12,580 - 9.51 "	15,359 - 11.52 "	22,959 - 17.18 "	15,529 - 12.63 "	5
461 - 7.14 "	308 - 4.78 "	194 - 3.00%	280 - 4.33 "	232 - 3.59	141 - 2.18 "	579 - 8.97%	1,174 - 18.19 "	1,412 - 21.87 "	639 - 9.90 "	6
206 - 1.49 "	308 - 2.[illegible] "	114 - .76 "	61 - .41 "	398 - 2.78	925 - 6.25 "	1,334 - 9.01 "	1,884 - 12.73 "	4,360 - 29.08 "	1,677 - 11.55 "	7
621 - 7.43 "	423 - 5.06 "	240 - 2.86 "	458 - 5.48 "	324 - 3.87 "	450 - 5.39 "	665 - 7.97 "	1,118 - 14.15 "	1,616 - 19.38 "	1,187 - 14.23 "	8
553 - 3.90 "	374 - 2.50 "	310 - 2.14 "	598 - 4.22 "	333 - 2.31 "	465 - 3.23 "	1,154 - 8.24 "	1,853 - 13.28 "	2,920 - 21.07 "	2,267 - 16.27 "	9
46 - 2.51 "	37 - 2.03 "	15 - .82 "	13 - .70 "	20 - 1.09 "	206 - 11.25 "	186 - 10.14 "	92 - 5.01 "	362 - 19.74 "	354 - 19.30 "	10
52,255 - 4.39 "	42,411 - 3.58 "	48,963 - 4.02 "	89,530 - 7.45 "	95,962 - 7.98 "	125,258 - 10.29 "	134,645 - 11.07 "	78,095 - 6.42 "	185,130 - 15.22 "	152,205 - 12.51 "	11
2,577 - 8.69 "	1,094 - 3.69 "	561 - 1.89 "	1,087 - 3.68 "	529 - 1.78 "	1,248 - 4.21 "	2,187 - 7.37 "	3,733 - 12.59 "	5,128 - 17.30 "	3,225 - 10.88 "	12
942 - 11.00 "	262 - 3.06 "	403 - 4.70 "	218 - 2.54 "	138 - 1.61 "	724 - 8.45 "	690 - 8.05 "	983 - 11.48 "	1,464 - 17.09 "	1,328 - 15.51 "	13
1,932 - 5.89 "	996 - 3.09 "	848 - 2.63 "	568 - 1.76 "	1,198 - 3.91 "	1,812 - 3.61 "	3,349 - 10.39 "	3,846 - 11.83 "	5,059 - 15.59 "	4,200 - 13.03 "	14
2,432 - 4.65 "	308 - .59 "	111 - .21 "	290 - .56 "	3,211 - 6.14 "	5,218 - 9.96 "	6,366 - 12.16 "	7,932 - 15.15 "	8,376 - 16.00 "	8,707 - 16.63 "	15
1,385 - 6.85 "	702 - 3.47 "	498 - 2.46 "	538 - 2.66 "	642 - 3.17 "	592 - 2.92 "	1,073 - 5.32 "	1,348 - 6.66 "	4,455 - 22.01 "	3,932 - 19.46 "	16
1,419 - 9.78 "	607 - 4.18 "	283 - 1.95 "	279 - 1.92 "	223 - 1.53 "	258 - 1.78 "	767 - 5.28 "	1,377 - 9.49 "	2,735 - 18.84 "	2,036 - 14.08 "	17
1,307 - 9.68 "	200 - 1.49 "	18 - .01 "	77 - .57 "	33 - .24 "	123 - .91 "	918 - 6.89	1,063 - 7.96 "	2,618 - 19.27 "	2,774 - 20.54 "	18
4,999 - 6.89 "	4,122 - 5.69 "	2,441 - 3.36 "	2,578 - 3.56 "	861 - 1.18 "	4,895 - 6.74 "	7,019 - 9.67 "	7,788 - 10.73 "	11,972 - 16.50 "	9,943 - 13.70 "	19
3,204 - 6.01 "	2,889 - 5.44 "	1,563 - 2.93 "	1,105 - 2.07	1,456 - 2.75 "	1,940 - 3.64 "	3,759 - 7.06 "	5,391 - 10.12 "	7,592 - 14.25 "	7,238 - 13.60 "	20
34,862 - 10.16 "	27,733 - 8.08 "	15,011 - 4.37 "	11,456 - 3.31 "	12,078 - 3.52 "	20,559 - 5.99	27,425 - 7.99 "	34,235 - 9.97 "	35,862 - 10.45 "	44,087 - 12.84 "	21
9,323 - 9.60 "	7,610 - 7.83 "	4,094 - 4.21 "	3,175 - 3.27 "	2,580 - 2.66 "	4,386 - 4.52 "	8,029 - 8.26 "	9,463 - 9.74 "	9,822 - 10.11 "	13,466 - 13.86 "	22
516 - 3.07 "	78 - .46 "				1,083 - 6.44 "	1,618 - 9.62 "	2,791 - 16.6 "	3,270 - 19.46 "	3,166 - 18.87	23
15,784 - 9.01 "	13,201 - 7.54 "	9,882 - 5.64	10,428 - 5.95 "	10,688 - 6.10 "	14,926 - 8.52 "	16,215 - 9.26 "	14,724 - 8.41 "	22,550 - 12.88 "	20,601 - 11.78 "	24
1,045 - 3.51 "	2,215 - 7.44 "	672 - 2.26	510 - 1.71 "	1,560 - 5.24 "	2,419 - 8.13 "	2,836 - 9.53 "	3,354 - 11.28 "	4,584 - 15.42 "	3,967 - 13.34 "	25
10,336 - 7.04 "	8,020 - 5.46 "	9,139 - 6.22	10,353 - 7.14 "	11,262 - 7.66 "	15,151 - 10.31 "	12,258 - 8.34 "	12,954 - 8.81 "	16,457 - 11.20 "	16,805 - 11.44 "	26
7 - 8.53 "	45 - 54.88 "									27
214,459 - 6.39%	178,86[illegible] - 5.32%	158,218 - 4.11%	211,632 - 6.30	218,550 - 6.51%	266,370 - 7.93%	314,837 - 9.37%	276,161 - 8.22 "	454,264 - 13.52%	423,704 - 12.61%	

BITUMINOUS ⑬

MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	No
105,802 - 5.96%	77,897 - 4.39%	134,813 - 7.59%	153,788 - 8.66%	157,557 - 8.87%	158,443 - 8.93%	164,388 - 9.26%	165,589 - 9.33%	182,580 - 10.28%	174,882 - 9.85%	28
18,399 - 6.67%	8,234 - 2.99%	21,515 - 7.81%	24,694 - 8.96%	23,552 - 8.55%	24,015 - 8.72%	24,787 - 8.99%	23,975 - 8.70%	27,577 - 10.02%	27,692 - 10.05%	29
34,102 - 7.52 "	37,645 - 8.28 "	29,616 - 6.52 "	39,574 - 8.72 "	38,296 - 8.45 "	42,662 - 9.42 "	38,138 - 8.40 "	28,082 - 6.88 "	42,752 - 9.42 "	49,885 - 10.99 "	30
21,619 - 8.95 "	15,746 - 6.52 "	13,201 - 5.47 "	14,484 - 6.00 "	18,375 - 7.62 "	19,489 - 8.07 "	16,134 - 6.68 "	15,564 - 6.44 "	23,747 - 9.84 "	25,318 - 10.49 "	31
37,262 - 8.52 "	34,997 - 8.22 "	34,498 - 7.87 "	38,203 - 8.72 "	38,392 - 8.78 "	41,350 - 9.44 "	34,642 - 7.90 "	36,291 - 8.30 "	37,409 - 8.56 "	35,116 - 8.03 "	32
26,762 - 11.36 "	20,949 - 8.89 "	19,506 - 8.26 "	15,190 - 6.44 "	7,815 - 3.34 "	11,478 - 4.87 "	18,685 - 7.93 "	22,915 - 9.73 "	25,892 - 10.99 "	26,797 - 11.38 "	33
243,946 - 7.13%	195,468 - 5.72%	253,149 - 7.41%	285,933 - 8.36%	283,987 - 8.31%	297,437 - 8.70%	296,774 - 8.68%	292,416 - 8.56%	339,955 - 9.94%	339,690 - 9.93%	

ANTHRACITE ⑭

MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	No
13,930 - 10.67%	11,395 - 8.73%	11,418 - 8.74%	11,286 - 8.64%	10,130 - 7.75%	11,247 - 8.62%	8,183 - 6.27%	9,304 - 7.12%	9,526 - 7.29%	11,238 - 8.61%	34

BITUMINOUS COAL SOLD TO RAILWAY - 1920 ⑮

No	FIELD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
28	CROWS NEST PASS	101,034 - 8.41%	117,336 - 9.78%	75,602 - 6.30%	46,822 - 3.9%	87,467 - 7.28%	107,878 - 8.98%
29	CANMORE	23,282 - 10.04 "	21,679 - 9.35 "	16,279 - 7.02 "	5,922 - 2.55 "	16,331 - 7.04 "	21,675 - 9.35 "
30	BRAZEAU	33,086 - 8.33 "	32,141 - 8.08 "	30,927 - 7.78 "	34,425 - 8.66 "	25,804 - 6.49 "	34,568 - 8.69 "
31	MOUTAIN PARK	6,487 - 3.58 "	31,150 - 17.19 "	13,580 - 7.99 "	13,618 - 7.51 "	10,878 - 6.00 "	12,157 - 6.71 "
32	YELLOWHEAD PASS	26,763 - 8.65 "	21,463 - 6.92	23,379 - 9.67 "	19,206 - 6.95 "	[illegible]730 - 8.63 "	29,562 - 9.55 "
33	JASPER PARK	11,970 - 5.88 "	17,605 - 8.67 "	24,858 - 12.21	19,817 - 9.4 "	[illegible] - 8.98	12,676 - 6.23
	TOTALS	202,622 - 7.83 "	241,374 - 9.33	184,625 - 7.22	139,810 - 5.40 "	185,49[illegible] - 7.16 "	218,516 - 8.45

No	FIELD	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
28	CROWS NEST PASS	103,064 - 8.58%	85,694 - 7.14%	94,485 - 7.82%	108,817 - 9.06%	140,462 - 11.69%	132,227 - 11.01%
29	CANMORE	19,804 - 8.55 "	18,640 - 8.04 "	19,042 - 8.21 "	20,445 - 8.83 "	24,048 - 10.38 "	24,652 - 10.63 "
30	BRAZEAU	32,913 - 8.18 "	36,527 - 9.19 "	32,937 - 8.28 "	22,805 - 5.75 "	36,807 - 9.27 "	44,493 - 11.19 "
31	MOUNTAIN PARK	14,004 - 7.75	13,850 - 7.64	11,214 - 6.18	11,866 - 6.55	19,803 - 10.93 "	22,606 - 12.47 "
32	YELLOWHEAD PASS	28,065 - 9.05	31,102 - 10.03 "	21,768 - 7.03	28,484 - 9.18	27,125 - 8.75	26,029 - 8.39 "
33	JASPER PARK	5,001 - 2.45	9,180 - 4.51 "	16,138 - 7.93	20,262 - 9.95 "	23,101 - 11.35	24,604 - 12.09 "
	TOTALS	202,851 - 7.84	194,993 - 7.54 "	195,582 - 7.56	212,679 - 8.22 "	271,346 - 10.49 "	274,611 - 10.61 "

No	FIELD	AMOUNT & PERCENTAGE THE FIELD IS OF THE TOTAL OUTPUT (TONNAGE & PERCENT) ⑯	AMOUNT & % THE FIELD IS OF TOTAL BITUMINOUS (TONNAGE & PERCENTAGE) ⑰	AMOUNT & % IT IS OF TOTAL SOLD TO RAILWAYS (TONNAGE & PERCENTAGE) ⑱
28	CROWS NEST PASS	1,773,009 - 25.73%	1,773,009 - 51.90%	1,200,886 - 47.91%
29	CANMORE	275,511 - 4.00 "	275,511 - 8.06 "	231,799 - 9.25
30	BRAZEAU	456,417 - 6.62 "	456,417 13.36 "	379,433 - 15.14
31	MOUNTAIN PARK	241,429 - 3.50 "	241,429 - 7.06 "	181,213 - 7.23 "
32	YELLOWHEAD PASS	437,093 - 6.34 "	437,093 - 12.79 "	309,676 - 12.35 "
33	JASPER PARK	233,044 - 3.38 "	233,044 6.83	203,500 - 8.12 "
	TOTALS	3,416,503 - 49.56 "	3,416,503 - 100%	2,506,507 - 100%

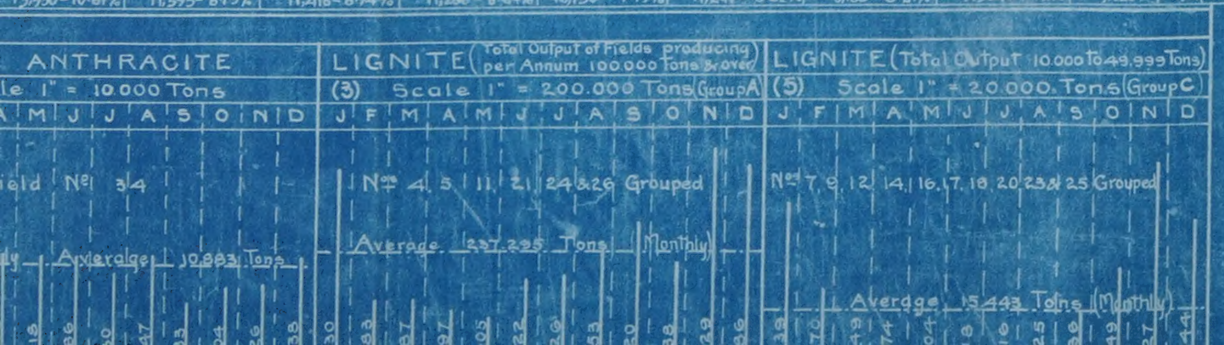
TONNAGE & % ⑲ AMOUNT - BITUMINOUS % IT IS OF TOTAL OUTPUT: 3,416,531 - 49.58%

TONNAGE & PERCENTAGE ⑳ AMOUNT - DOMESTIC % IT IS OF TOTAL OUTPUT: 3,359,508 - 48.52%

㉑ AMOUNT - ANTHRACITE % IT IS OF TOTAL OUTPUT: 130,594 - 1.98%

NOTE EACH SPACE REPRESENTS 1%

NOTE RE TABLE 15 { The Percentages represent what each Month is, of the entire year's Sales.



INDEX

Table Nos shown thus :- ⑯

FIELDS

Nos & Names	General Map & Table Nos 6, 7 & 8
Quality of	" " " " " " "

ANTHRACITE — FIELD No 34

Tonnage, Disposition of, Percentages, etc.

Tonnage	Nos 1 & 8
Where sold as Coal (Domestic)	" 11
Monthly Output	" 14 & 24 (compve Graph)
Percentage Presentation	21 & 22

BITUMINOUS — FIELDS 28 to 33

Tonnage, Sales, Disposition of, Percentages, etc.

Tonnage, Sales & Percentages	Nos 1, 7, 16, 17, 18, 19 & 22
Sales to Railways	" 3, 15, & 18
Where sold (other than R'lys)	" 1, 4, 10 & 23
Monthly Output	" 13 & 24 (compve Graph)
Monthly Sales to R'lys	" 15

LIGNITE OR DOMESTIC — FIELDS 1 to 27.

Tonnage, Sales, Disposition of, Percentages etc.

Tonnage, Sales & Percentages	Nos 1, 6, 20 & 22
Where sold	" 1, 9 & 23
Monthly Output	" 12 & 24 (compve Graph)

NOTE

The Map shows the location of the various Fields, the quality of Coal produced in each, the Railway connection, and the chief centres served by said Railways.

Tables 6, 7 & 8 are of interest, showing the analysis, quality, output & percentage each Field is of the total output of its kind, also of Sales.

Tables 9, 10 & 11 are interesting, showing where the Coals of each Field find a market.

Lignite :- It will be noticed of the output, all the Fields sell Coal in Alberta. In B.C. 7 out of the 27 alysis would be { 25.0 29.23 37.37 8.4 not 20.0 31.6 40.4 8.0

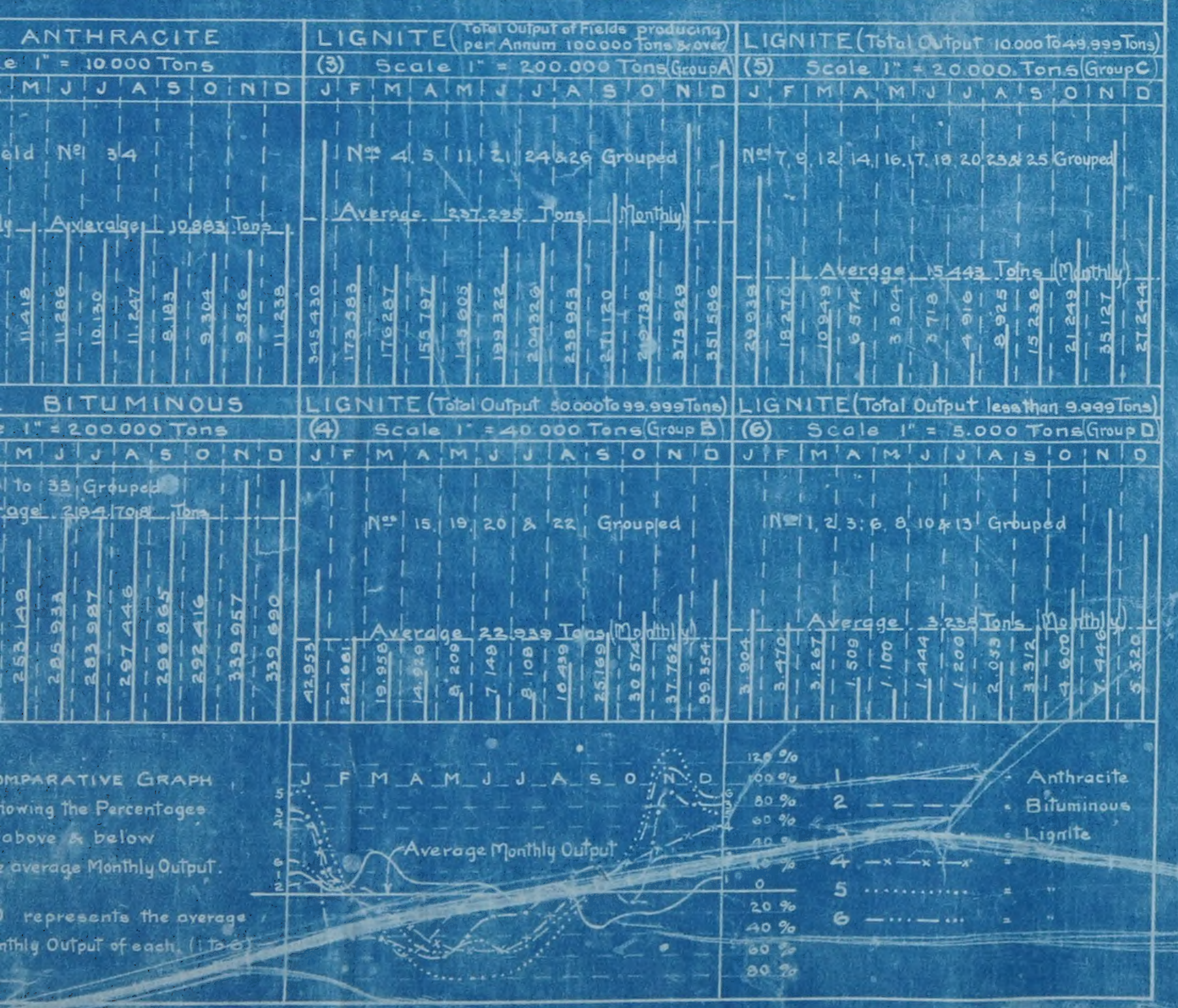
" " A+B+C+D = 91.26 % " "

Total %	44.88	1.77	37.15	14.94	0.43	0.53

OUTPUT IN EACH MONTH ⑫

TONNAGE — PERCENTAGE SAID TONNAGE IS OF ITS OUTPUT FOR THE YEAR 1920

MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Nº
528 - 8.57%	262 - 4.30%	175 - 2.8%	228 - 3.66%	139 - 2.33%	227 - 3.64%	385 - 6.18%	619 - 9.93%	1,265 - 20.30%	1,029 - 16.24%	1
144 - 7.88	81 - 4.38	43 - 2.36	159 - 8.71	111 - 6.08%	208 - 11.59	172 - 9.41	122 - 6.68%	244 - 13.36	232 - 12.71%	2
525 - 9.41	136 - 2.43	30 - .53	88 - 1.57	236 - 4.23	97 - 1.74	635 - 11.39	492 - 8.82%	1,083 - 19.43	751 - 13.47	3
62,920 - 7.40	60,580 - 7.12	57,407 - 6.76	68,350 - 8.06	64,578 - 7.59	52,580 - 6.19	67,997 - 7.99	64,371 - 7.58	90,971 - 10.7	102,359 - 12.04	4
130 - 3.09	3,892 - 2.93	5,203 - 3.89%	8,705 - 6.61	9,738 - 7.38	10,479 - 7.83	12,580 - 9.51	15,359 - 11.52	[illegible]2,959 - 17.18	15,529 - 12.63	5
461 - 7.14	308 - 4.7[illegible]	194 - 3.00%	280 - 4.33	232 - 3.59	141 - 2.18	579 - 8.97	1,174 - 18.19	1,412 - 21.87	639 - 9.90	6
206 - 1.49	308 - 2.[illegible]8	114 - .76	61 - .41	398 - 2.78	925 - 6.25	1,334 - 9.01	1,884 - 12.73	4,360 - 29.08	1,677 - 11.53	7
621 - 7.43	423 - 5.06	240 - 2.86	458 - 5.48	324 - 3.87	450 - 5.39	665 - 7.97	1,118 - 14.15	1,616 - 19.38	1,167 - 14.23	8
553 - 3.90	374 - 2.50	310 - 2.14	598 - 4.22	333 - 2.31	465 - 3.23	1,154 - 8.24	1,853 - 13.28	2,920 - 21.07	2,267 - 16.27	9
46 - 2.51	37 - 2.03	15 - .82	13 - .70	20 - 1.09	206 - 11.23	186 - 10.14	92 - 5.01	362 - 19.74	354 - 19.30	10
52,255 - 4.39	42,411 - 3.58	48,965 - 4.02	89,550 - 7.45	95,962 - 7.98	125,258 - 10.29	134,645 - 11.07	78,095 - 6.42	185,130 - 15.22	152,205 - 12.51	11
2,577 - 8.69	1,094 - 3.69	561 - 1.89	1,087 - 3.68	529 - 1.78	1,248 - 4.21	2,187 - 7.37	3,733 - 12.59	5,128 - 17.30	3,225 - 10.88	12
942 - 11.00	262 - 3.06	403 - 4.70	218 - 2.54	138 - 1.61	724 - 8.45	690 - 8.05	983 - 11.48	1,464 - 17.09	1,328 - 15.51	13
1,932 - 5.89	996 - 3.09	848 - 2.63	568 - 1.76	1,198 - 3.91	1,812 - 3.61	3,349 - 10.39	3,846 - 11.83	5,059 - 15.59	4,200 - 13.03	14
2,432 - [illegible].65	308 - .59	111 - .21	290 - .56	3,211 - 6.14	5,218 - 9.96	6,366 - 12.16	7,932 - 15.15	8,376 - 16.00	8,707 - 16.63	15
1,385 - 6.85	702 - 3.47	498 - 2.46	538 - 2.66	642 - 3.17	592 - 2.92	1,073 - 5.32	1,348 - 6.66	4,455 - 22.01	3,932 - 19.46	16
1,419 - 9.78	607 - 4.18	283 - 1.95	279 - 1.92	223 - 1.55	258 - 1.78	767 - 5.28	1,377 - 9.49	2,735 - 18.84	2,036 - 14.08	17
1,307 - 9.68	200 - 1.49	18 - .01	77 - .57	33 - .24	123 - .91	918 - 6.89	1,063 - 7.96	2,618 - 19.27	2,774 - 20.54	18
4,999 - 6.89	4,122 - 5.69	2,441 - 3.36	2,578 - 3.56	861 - 1.18	4,895 - 6.74	7,019 - 9.67	7,788 - 10.73	11,972 - 16.50	9,943 - 13.70	19
3,204 - 6.01	2,889 - 5.44	1,563 - 2.93	1,105 - 2.07	1,456 - 2.75	1,940 - 3.64	3,759 - 7.06	5,391 - 10.12	7,592 - 14.25	7,238 - 13.60	20
34,862 - 10.16	27,733 - 8.08	15,011 - 4.37	11,456 - 3.31	12,078 - 3.52	20,559 - 5.99	27,425 - 7.99	34,235 - 9.97	35,862 - 10.45	44,087 - 12.84	21
9,323 - 9.60	7,610 - 7.83	4,094 - 4.21	3,175 - 3.27	2,580 - 2.66	4,386 - 4.51	8,029 - 8.26	9,463 - 9.74	9,822 - 10.11	13,466 - 13.86	22
,546 - 3.07	78 - .46				1,083 - 6.44	1,618 - 9.62	2,791 - 16.6	3,270 - 19.46	3,164 - 18.87	23
15,784 - 9.01	13,201 - 7.54	9,882 - 5.64	10,428 - 5.95	10,688 - 6.10	14,926 - 8.52	16,215 - 9.26	14,724 - 8.41	22,550 - 12.88	20,601 - 11.78	24
1,045 - 3.51	2,215 - 7.44	672 - 2.26	510 - 1.71	1,560 - 5.24	2,419 - 8.13	2,836 - 9.53	3,354 - 11.28	4,584 - 15.42	3,967 - 13.34	25
10,336 - 7.04	8,020 - 5.46	9,139 - 6.22	10,353 - 7.14	11,262 - 7.66	15,151 - 10.31	12,258 - 8.34	12,954 - 8.81	16,457 - 11.20	16,805 - 11.44	26
7 - 8.53	45 - 54.88									27
214,459 - 6.39%	178,861 - 5.32%	158,218 - 4.11%	211,632 - 6.30	218,550 - 6.51%	266,370 - 7.95%	314,837 - 9.37%	276,161 - 8.22	454,264 - 13.52%	423,704 - 12.61%	
BITUMINOUS ⑬										
05,802 - 5.96%	77,897 - 4.39%	134,813 - 7.59%	153,788 - 8.66%	157,557 - 8.87%	158,443 - 8.93%	164,388 - 9.26%	165,589 - 9.33%	182,580 - 10.28%	174,882 - 9.85%	28
18,399 - 6.67%	8,234 - 2.99%	21,515 - 7.81%	24,694 - 8.96%	23,552 - 8.55%	24,015 - 8.72%	24,787 - 8.99%	23,975 - 8.70%	27,577 - 10.02%	27,692 - 10.05%	29
34,102 - 7.52	37,645 - 8.28	29,016 - 6.52	39,574 - 8.72	38,296 - 8.45	42,662 - 9.42	38,138 - 8.40	28,082 - 6.18	42,752 - 9.42	49,885 - 10.99	30
21,619 - 8.95	15,746 - 6.52	13,201 - 5.47	14,484 - 6.00	18,375 - 7.62	19,489 - 8.07	16,134 - 6.68	15,564 - 6.44	23,747 - 9.84	25,318 - 10.49	31
37,262 - 8.52	34,997 - 8.22	34,498 - 7.87	38,203 - 8.72	38,392 - 8.78	41,350 - 9.44	34,642 - 7.90	36,291 - 8.39	37,409 - 8.56	35,116 - 8.03	32
26,762 - 11.36	20,949 - 8.89	19,506 - 8.26	15,190 - 6.44	7,815 - 3.34	11,478 - 4.87	18,685 - 7.93	22,915 - 9.73	25,892 - 10.99	26,797 - 11.38	33
243,946 - 7.13%	195,468 - 5.72%	253,149 - 7.41%	285,933 - 8.36%	283,987 - 8.31%	297,437 - 8.70%	296,774 - 8.68%	292,416 - 8.56%	339,955 - 9.94%	339,690 - 9.93%	
ANTHRACITE ⑭										Nº
13,930 - 10.67%	11,395 - 8.73%	11,418 - 8.74%	11,286 - 8.64%	10,130 - 7.75%	11,247 - 8.62%	8,183 - 6.27%	9,304 - 7.12%	9,526 - 7.29%	11,238 - 8.61%	34



BITUMINOUS COAL SOLD TO RAILWAY - 1920 ⑮

Nº	FIELD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
28	CROWS NEST PASS	101,034 - 8.41%	117,336 - 9.78%	75,602 - 6.30%	46,[illegible]22 - 3.9%	87,467 - 7.28%	107,878 - 8.98%
29	CANMORE	23,282 - 10.04	21,679 - 9.35	16,279 - 7.02	5,922 - 2.55	16,331 - 7.04	21,675 - 9.35
30	BRAZEAU	33,086 - 8.33	32,141 - 8.08	30,927 - 7.78	34,425 - 8.66	25,804 - 6.49	34,568 - 8.69
31	MOUTAIN PARK	6,487 - 3.58	31,150 - 17.19	13,580 - 7.99	13,618 - 7.51	10,878 - 6.00	12,157 - 6.71
32	YELLOWHEAD PASS	26,763 - 8.65	21,463 - 6.92	23,379 - 9.67	19,206 - 6.95	[illegible]730 - 8.63	29,562 - 9.55
33	JASPER PARK	11,970 - 5.88	17,605 - 8.67	24,858 - 12.21	19,817 - 9.4	18,2[illegible] - 8.98	12,676 - 6.23
	TOTALS	202,622 - 7.83	241,374 - 9.33	184,625 - 7.22	139,810 - 5.40	185,49[illegible] - 7.16	218,516 - 8.45

Nº	FIELD	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
28	CROWS NEST PASS	103,064 - 8.58%	85,694 - 7.14%	94,483 - 7.82%	108,817 - 9.06%	140,462 - 11.69%	132,227 - 11.01%
29	CANMORE	19,804 - 8.55	18,640 - 8.04	19,042 - 8.21	20,445 - 8.83	24,048 - 10.38	24,652 - 10.63
30	BRAZEAU	32,913 - 8.18	36,527 - 9.19	32,937 - 8.28	22,805 - 5.75	36,807 - 9.27	44,493 - 11.19
31	MOUNTAIN PARK	14,004 - 7.75	13,850 - 7.64	11,214 - 6.18	11,866 - 6.55	19,803 - 10.93	22,606 - 12.47
32	YELLOWHEAD PASS	28,065 - 9.05	31,102 - 10.03	21,768 - 7.03	28,484 - 9.18	27,125 - 8.75	26,029 - 8.39
33	JASPER PARK	5,001 - 2.45	9,180 - 4.51	16,158 - 7.93	20,262 - 9.95	23,101 - 11.35	24,604 - 12.09
	TOTALS	202,851 - 7.84	194,993 - 7.54	195,582 - 7.56	212,679 - 8.22	271,346 - 10.49	274,611 - 10.61

Nº	FIELD	⑯ AMOUNT & PERCENTAGE THE FIELD IS OF THE TOTAL OUTPUT — TONNAGE & PERCENT	⑰ AMOUNT & % THE FIELD IS OF TOTAL BITUMINOUS — TONNAGE & PERCENTAGE	⑱ AMOUNT & % IT IS OF TOTAL SOLD TO RAILWAYS — TONNAGE & PERCENTAGE	⑲ AMOUNT - BITUMINOUS % IT IS OF TOTAL OUTPUT — TONNAGE & %	⑳ AMOUNT - DOMESTIC % IT IS OF TOTAL OUTPUT — TONNAGE & PERCENTAGE	㉑ AMOUNT - ANTHRACITE % IT IS OF TOTAL OUTPUT	NOTE EACH SPACE REPRESENTS 1%
28	CROWS NEST PASS	1,773,009 - 25.73%	1,773,009 - 51.90%	1,200,886 - 47.91%	3,416,531 - 49.58%	3,359,308 - 48.52%	150,594 - 1.98%	
29	CANMORE	275,511 - 4.00	275,511 - 8.06	231,799 - 9.25				
30	BRAZEAU	456,417 - 6.62	456,417 13.36	379,433 - 15.14				
31	MOUNTAIN PARK	241,429 - 3.50	241,429 - 7.06	181,213 - 7.23				
32	YELLOWHEAD PASS	437,093 - 6.34	437,093 - 12.79	309,676 - 12.35				
33	JASPER PARK	233,044 - 3.38	233,044 6.83	203,500 - 8.12				
	TOTALS	3,416,503 - 49.56	3,416,503 - 100%	2,506,507 - 100%				

NOTE RE TABLE 15 { The Percentages represent what each Month is, of the entire years Sales.

INDEX

Table Nos shown thus :- ⑯

FIELDS

Nos & Names	General Map & Table Nos	6, 7 & 8
Quality of	" " "	" " "

ANTHRACITE — FIELD Nº 34

Tonnage, Disposition of, Percentages, etc.

Tonnage	Nos	1 & 8
Where sold as Coal (Domestic)	"	11
Monthly Output	"	14 & 24 (compve Graph)
Percentage Presentation		21 & 22

BITUMINOUS — FIELDS 28 to 33

Tonnage, Sales, Disposition of, Percentages, etc.

Tonnage, Sales & Percentages	Nos	1, 7, 16, 17, 18, 19 & 22
Sales to Railways	"	3, 15, & 18
Where sold (other than R'lys)	"	1, 4, 10 & 23
Monthly Output	"	13 & 24 (compve Graph)
Monthly Sales to R'lys	"	15

LIGNITE OR DOMESTIC — FIELDS 1 to 27.

Tonnage, Sales, Disposition of, Percentages etc.

Tonnage, Sales & Percentages	Nos	1, 6, 20 & 22
Where sold	"	1, 9 & 23
Monthly Output	"	12 & 24 (compve Graph)

NOTE

The Map shows the location of the various Fields, the quality of Coal produced in each, the Railway connection, and the chief centres served by said Railways.

Tables 6, 7 & 8 are of interest, showing the analysis, quality, output & percentage each Field is of the total output of its kind, also of Sales.

Tables 9, 10 & 11 are interesting, showing where the Coals of each Field find a market.

Lignite :- It will be noticed of the output, all the Fields sell Coal in Alberta. In B.C. 7 out of the 27 Fields supply Coal. In Sask. & Man. 17 out of the 27 Fields. In Ont. 8, & in the U. States 2.

Notice also the great differences in volume of the production of the various Fields & also the amount in tons sold & where sold outside of Alberta.

The same data for Bituminous & Anthracite (Tables 10 & 11) affecting particularly where these Coals are disposed of. See Tables 3, 15 & 18, regarding Coal sold to Railways.

Tables 12, 13, 14 & 24 are worthy of study, in regard to the manthly variation in output. Note particularly the comparative Graph, at bottom of Table 24. Also in said Table, as shown in Groups 1 to 6. It is particularly striking the more nearly the Anthracite & Bituminous approach the average, compared with the Lignites, particularly the smaller producers. If there was in Group A, of Table 24, sufficient force to produce 373.929 tons in November, for 12 months, it should have an output of 4.487.148 tons. It produced 2.847.541 tons, the latter being 63.5 % of the former. Group A produced 85.1% of the total Lignite output.

Table 15 shows the Railway consumption each month, & from what Field & the amount obtained.

There is nothing in the Report to show to what extent in the various Provinces, such R'ly consumption is effected.

It may be that under a strict class.n Nos [illegible] 32 embraced some Coals of fairly high quality, but possibly not strictly Bituminous.

Analysis of some of the Coal in Fields 30 & 32

	M	V		A
[illegible] Creek (Field 30)	10.8 to 4.8	[illegible] to 33.1	55.8	6.4 to 6.5
Lovett	[illegible]	34.9 to 29.7	54.3 to 46.9	16.1 to 4.8
Coalspur	[illegible] to 6.6	37.3 to 33.2	51.7 to 45.7	12.7 to 8.2

Plan 11 66

Re. (To Illustrate :— Take Nº 24, assuming an addition of 25 % for Moisture & 5 % for Ash then the correct* Analysis would be. } 25·0 29·23 37·37 8·4 not 20·0

DOMESTIC OR LIGNITE ⑥

Nº	FIELD	ANALYSES M	V	F	A	B.T.U.	AUTHORITY	OUTPUT in TONS	PERCENTAGES OF TOTAL OUTPUT	OF ITS KIND	SOLD
1	MILK RIVER							6,230.	·10%	·20 %	·20 %
2	MAGRATH	3·91	38·01	46·75	11·33	11,887	E	1,827.	·02%	·05 %	·05 %
3	PINCHER CREEK	3·8	28·96	58·47	28·57	9,810	C	5,575.	·09%	·17 %	·17 %
4	LETHBRIDGE	7·9	34·54	47·45	10·13	11,710	C	850,662.	12·43 %	25·42 %	22·25
5	TABER	11·7	31·79	44·06	12·45	11,040	C	121,685.	1·74 %	3·53 %	2·75 %
6	BOW ISLAND	17·26	30·90	46·27	5·57	9,259	E	6,456.	·10 %	·20 %	·19 %
7	MEDICINE HAT	19·06	33·07	42·55	5·51	8,833	E	14,699.	·21 %	·43 %	·41 %
8	ALDERSYDE	10·37	32·00	50·84	6·78	10,109	G	8,339.	·11 %	·25 %	·24 %
9	BROOKS							13,853.	·20 %	·41 %	·41 %
10	HIGH RIVER	2·33	35·27	56·55	5·87	[illegible]	E	1,834	·02 %	·05 %	·05 %
11	DRUMHELLER	16·5	33·6	43·4	6·5	9,650	D	1,209,886.	17·55 %	36·26 %	33·88 %
12	HANNA							29,643.	·43 %	·89 %	·83 %
13	CARBON	11·57	35·64	45·21	7·79		E	8,564.	·12 %	·25 %	·23 %
14	THREE HILLS	11·70	30·75	51·35	6·2		G	32,327.	·46 %	·96 %	·84 %
15	BIG VALLEY	17·26	30·90	5·57	9·259		E	52,349.	·75 %	1·57 %	1·55 %
16	TROCHU	12·2	32·1	49·3	6·4	10,002	G	20,218.	·30 %	·61 %	·54 %
17	LACOMBE	14·7	31·17	42·03	12·10	8,714	G	14,509.	·21 %	·43 %	·45 %
18	BATTLE RIVER	13·0	33·75	46·59	6·66	9,744	G	13,509.	·19 %	·41 %	·39 %
19	CAMROSE	16·8	31·22	45·13	6·55	9,361	G	72,567.	1·05 %	2·16 %	2·04 %
20	TOFIELD	25·0	29·8	36·7	8·5	7,990	D	53,226.	·78 %	1·61 %	1·56 %
21	CLOVERBAR							345,396.	4·88 %	10·22 %	9·45 %
22	EDMONTON	18·97	32·61	40·18	8·25	11,000	C	97,133.	1·40 %	2·91 %	2·65 %
23	NAMAO							16,807.	·24 %	·50 %	·48 %
24	CARDIFF	20·0	31·6	40·4	8·0	8,770	D	175,102.	2·61 %	5·23 %	4·89 %
25	WABAMUN	16·4	31·52	45·19	6·9	9,234	G	29,751.	·43 %	·89 %	·83 %
26	PEMBINA	17·6	29·22	43·85	9·33	9,040	D	146,810.	2·10 %	4·39 %	3·97 %
27	PEACE RIVER							82.			
	TOTALS							3,347,042.	3,347,042 - 48·52%	3,347,042 - 100 %	3,054,333 - 91·26%

EACH SPACE REPRESENTS ONE PERCENT

BITUMINOUS ⑦

Nº	FIELD	M	V	F	A	B.T.U.	AUTHORITY	OUTPUT in TONS	OF TOTAL OUTPUT	OF ITS KIND	SOLD
28	CROWS NEST PASS	4·77	26·1	56·41	16·62	12,410	C	1,773,009.	25·74%	51·90 %	49·71 %
29	CANMORE	1·02	13·41	82·02	3,62		E	275,511.	4·00%	8·06 "	7·60 %
30	BRAZEAU	·51	17·55	61·35	3·61	13,155	G	456,417.	6·62 "	13·36 "	13·08 "
31	MOUNTAIN PARK	3·2	30·5	62·0	4·3	14,210	G	241,429.	3·50 "	7·06 "	6·71 "
32	YELLOWHEAD PASS	2·3	18·5	57·8	21·4	11,580	G	437,093.	6·34 "	12·79 "	12·33 "
33	JASPER PARK	2·3	18·5	57·8	21·4	11,580	G	233,044.	3·38 "	6·83 "	6·35 "
	TOTALS							3,416,503.	3,416,503 - 49·58 %	3,416,503 - 100 %	3,272,863 - 95·77%

ANTHRACITE ⑧

Nº	FIELD	M	V	F	A	B.T.U.	AUTHORITY	OUTPUT in TONS	OF TOTAL OUTPUT	OF ITS KIND	SOLD
34 *	BANFF	0·6	13·75	72·30	13·35	13,640	C	130,594.	1·90%	100 %	

UNDER COLUMN SOLD; PERCENTAGES REPRESENT WHAT THE SALES ARE OF THE TOTAL OUTPUT OF ITS KIND.

WHERE SOLD ⑨

TONNAGE & PERCENTAGE SAID TONNAGE IS OF TOTAL YEARS OUTPUT OF SAID FIELD

Nº	ALBERTA	BRITISH COLUMBIA	SASKATCHEWAN	MANITOBA	ONTARIO	UNITED STATES
1	6052 - 96·80%					199 - 3·19 %
2	1819 - 100·00%					
3	5,625 - 101·00 %					
4	217,364 - 24·10 %	19,732 - 2·19%	396,360 - 44·00%	84,985 - 9·44%	887 - ·09%	25,298 - 2·81%
5	18,088 - 14·08%	4,981 - 3·87 "	51,146 - 39·75 "	14,392 - 11·17 "	2,381 - 1·84%	
6	6,196 - 95·90 "					
7	5,826 - 39·60 "		6,514 - 44·30 "	1,566 - 10·66 "		
8	8,088 - 97·00 "					
9	13,853 - 100·00 "					
10	1,794 - 97·82 "					
11	276,251 - 21·57 "	13,549 - 1·05 "	548,537 - 42·88 "	288,432 - 22·53 "	9,586 - ·74 "	
12	26,776 - 90·31 "		1,156 - 3·90 "	198 - ·66 "		
13	7,919 - 90·47 "					
14	18,172 - 56·23 "		540 - 1·67 "	9,161 - 28·34 "		
15	23,087 - 44·10 "		23,978 - 44;58 "	4,522 - 8·63 "	64 - ·12 "	
16	14,910 - 73·72 "		599 - ·96 "	2,759 - 11·17 "		
17	14,398 - 99·31 "			61 - ·42 "		
18	12,859 - 95·20 "					
19	47,856 - 65·92 "		19,012 - 26·19 "	1,512 - 2·08 "	64 - ·08 "	
20	34,794 - 65·37 "		15,998 - 30·05 "	1,284 - 2·41 "		
21	278,699 - 81·16 "	1,380 - ·40 "	26,455 - 7·70 "	9,601 - 2·79 "	40 - ·01 "	
22	84,827 - 87·32 "		1,653 - 1·70 "	925 - ·95 "		
23	13,945 - 82·98 "		1,405 - 8·36 "	96 - ·57 "	61 - ·36 "	
24	146,239 - 83·52 "	298 - ·17 "	14,347 - 8·19 "	2,575 - 1·47 "		
25	18,569 - 62·42 "	1,756 - 5·93 "	5,511 - 18·15 "	1,976 - 6·64 "		
26	66,507 - 45·32 "	12,420 - 8·46 "	21,205 - 14·44 "	32,853 - 22·38 "	198 - ·13 "	
27	82 - 100·00 "					
	1,370,595 - 40·95 "	54,116 - 1·61 "	1,134,416 - 33·90 "	456,398 - 13·63 "	13,281 - ·39 "	25,497 - ·76 "

⑩ BITUMINOUS

Nº	ALBERTA	BRITISH COLUMBIA	SASKATCHEWAN	MANITOBA	ONTARIO	UNITED STATES
28	131,836 - 7·42 %	42,229 - 2·28%	105,886 - 5·96%	101,438 - 5·70%	530 - ·02 %	115,415 - 6·50%
29	15,710 - 5·80 "	1,886 - ·69 "	9,119 - 3·37 "	1,238 - ·45%		
30	36,635 - 8·70 "	2,575 - ·56 "	15,669 - 2·45 "	12,806 - 2·82%		
31	3,582 - 1·48 "	1,449 - ·61 "	29,304 - 13·44 "	13,766 - 5·70%		
32	70,771 - 1·61 "	15,722 - 3·59 "	11,231 - 2·37 "	13,954 - 3·19 %		
33	7,691 - 3·30 "	5,816 - 2·49 "			100 - ·04 "	
	266,225 - 7·79 "	69,675 - 2·03 "	171,209 - 5·01	143,202 - 4·19 "	630 - ·01 "	115,415 - 3·38 "

⑪ ANTHRACITE

Nº	ALBERTA	BRITISH COLUMBIA	SASKATCHEWAN	MANITOBA	ONTARIO	UNITED STATES
34	10,382 - 7·95 "	5,059 - 3·87 "	4,657 - 3·56 "	1,356 - 1·03 "	—	—

OUTPUT IN EACH MONTH ⑫

DOMESTIC

TONNAGE — PERCENTAGE SAID TONNAGE IS OF ITS OUTPUT

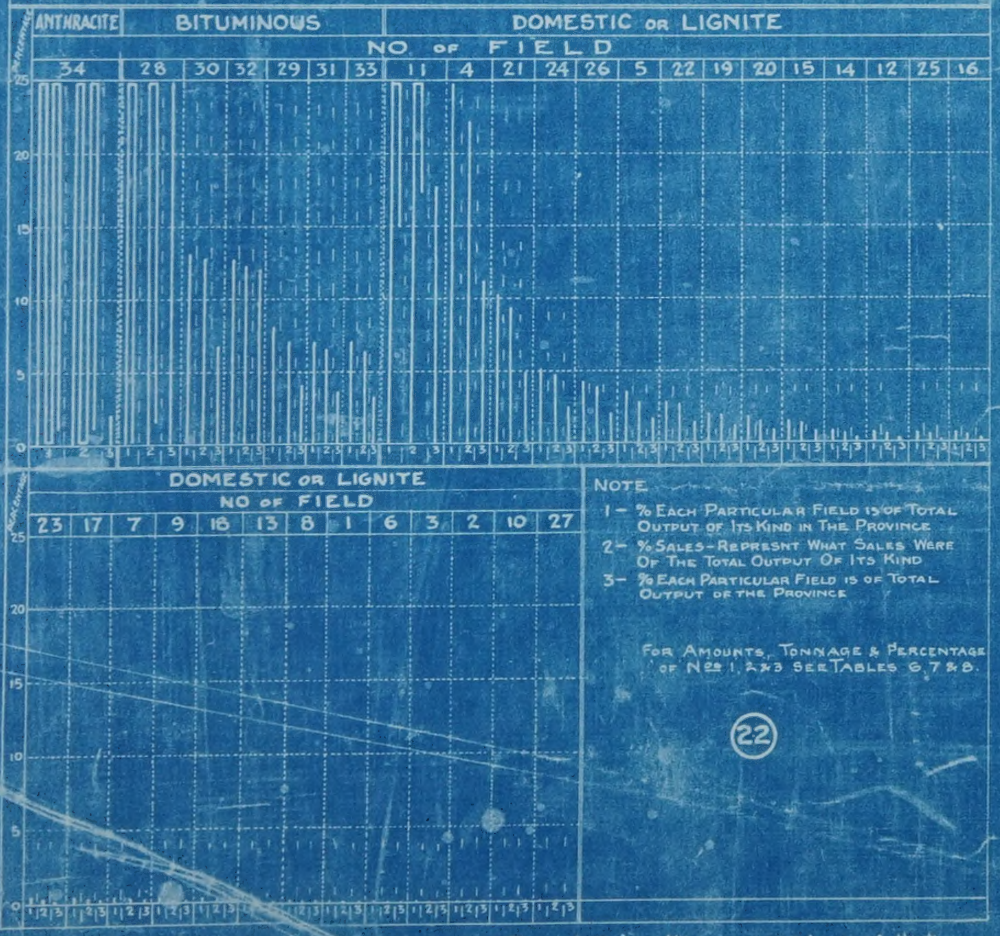
Nº	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
1	783 - 12·57%	590 - 9·57%	528 - 8·57%	262 - 4·30%	175 - 2·8 %	228 - 3·66%	139 - 2·33%	227 - 3·
2	200 - 10·95%	111 - 6·08 "	144 - 7·88 "	81 - 4·38 "	43 - 2·36 "	159 - 8·71 "	111 - 6·08%	208 - 11·
3	891 - 15·96 "	611 - 10·96 "	525 - 9·41 "	136 - 2·43 "	30 - ·53 "	88 - 1·57 "	236 - 4·23 "	97 - 1·
4	92,949 - 10·92 "	65,113 - 7·65 "	62,920 - 7·40 "	60,580 - 7·12 "	57,407 - 6·76 "	68,850 - 8·06 "	64,598 - 7·59 "	52,580 - 6·
5	21,425 - 16·17 "	3,028 - 2·26 "	130 - 3·09 "	3,892 - 2·93 "	5,203 - 3·89%	8,705 - 6·61 "	9,738 - 7·38 "	10,479 - 7·
6	,511 - 7·92 "	525 - 8·13 "	461 - 7·14 "	308 - 4·78 "	194 - 3·00 "	280 - 4·33 "	232 - 3·59	141 - 2·
7	2,624 - 17·74 "	929 - 6·24 "	206 - 1·49 "	308 - 2·[illegible] "	114 - ·76 "	61 - ·41 "	398 - 2·78	925 - 6·
8	640 - 7·66 "	597 - 7·15 "	621 - 7·43 "	423 - 5·06 "	240 - 2·86 "	458 - 5·48 "	324 - 3·67 "	450 - 5·
9	1,508 - 11·31 "	1,521 - 11·53 "	553 - 3·90 "	374 - 2·50 "	310 - 2·14 "	598 - 4·22 "	333 - 2·31 "	465 - 3·
10	259 - [illegible] "	264 - 14·39 "	46 - 2·51 "	37 - 2·03 "	15 - ·82 "	13 - ·70 "	20 - 1·09 "	206 - 11·
11	149,615 - 12·32 "	56,618 - 4·75 "	52,255 - 4·39 "	42,411 - 3·58 "	48,963 - 4·02 "	89,550 - 7·45 "	95,962 - 7·98 "	125,258 - 10
12	4,807 - 16·23 "	3,467 - 11·69 "	2,577 - 8·69 "	1,094 - 3·69 "	561 - 1·89 "	1,087 - 3·68 "	529 - 1·78 "	1,248 - 4·
13	640 - 7·47 "	772 - 9·04 "	942 - 11·00 "	262 - 3·06 "	403 - 4·70 "	218 - 2·54 "	138 - 1·61 "	724 - 8·
14	5,617 - 17·41 "	2,902 - 9·06 "	1,932 - 5·89 "	996 - 3·09 "	848 - 2·63 "	568 - 1·76 "	1,198 - 3·91 "	1,812 - 3·
15	4,952 - 9·46 "	4,446 - 8·49 "	2,432 - 4·65 "	308 - ·59 "	111 - ·21 "	290 - ·56 "	3,211 - 6·14 "	5,218 - 9·
16	3,018 - 14·93 "	2,037 - 10·09 "	1,385 - 6·85 "	702 - 3·47 "	498 - 2·46 "	538 - 2·66 "	642 - 3·17 "	592 - 2
17	2,457 - 16·93 "	2,074 - 14·29 "	1,419 - 9·78 "	607 - 4·18 "	283 - 1·95 "	279 - 1·92 "	223 - 1·53 "	258 - 1
18	2,141 - 15·86 "	2,237 - 16·58 "	1,307 - 9·68 "	200 - 1·49 "	18 - ·01 "	77 - ·57 "	33 - ·24 "	123 -
19	11,422 - 15·74 "	4,527 - 6·24 "	4,999 - 6·89 "	4,122 - 5·69 "	2,441 - 3·36 "	2,578 - 3·56 "	861 - 1·18 "	4,895 -
20	10,772 - 20·26 "	6,321 - 11·87 "	3,204 - 6·01 "	2,889 - 5·44 "	1,563 - 2·93 "	1,105 - 2·07	1,456 - 2·75 "	1,940 -
21	49,415 - 14·40 "	30,673 - 8·92 "	34,862 - 10·16 "	27,733 - 8·08 "	15,011 - 4·37 "	11,456 - 3·31 "	12,878 - 3·52 "	20,559 - 5
22	15,807 - 16·28 "	9,378 - 9·66 "	9,325 - 9·60 "	7,610 - 7·83 "	4,094 - 4·21 "	3,175 - 3·27 "	2,580 - 2·66 "	4,386 - 4
23	2,874 - 17·10 "	1,411 - 8·38 "	,516 - 3·07 "	78 - ·46 "				1,083 - 6
24	18,092 - 10·28 "	8,011 - 4·63 "	15,784 - 9·01 "	13,201 - 7·54 "	9,882 - 5·64	10,428 - 5·95 "	10,688 - 6·10 "	14,926 -
25	4,893 - 16·44 "	1,696 - 5·70 "	1,045 - 3·51 "	2,215 - 7·44 "	6,572 - 2·26	510 - 1·71 "	1,560 - 5·24 "	2,419 -
26	13,935 - 9·98 "	10,140 - 6·90 "	10,336 - 7·04 "	8,020 - 5·46 "	9,139 - 6·22	10,353 - 7·14 "	11,262 - 7·66 "	15,151 - 1
27	30 - 36·59 "		7 - 8·53 "	45 - 54·88 "				
	422,257 - 12·58%	219,995 - 6·55%	214,459 - 6·39%	178,86[illegible] - 5·32%	158,218 - 4·11%	211,632 - 6·30	218,550 - 6·51%	266,370 - 7

BITUMINOUS

Nº	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
28	151,170 - 8·51%	148,620 - 8·37%	105,802 - 5·96%	77,897 - 4·39%	134,813 - 7·59%	153,788 - 8·66%	157,557 - 8·87%	158,443 -
29	26,460 - 9·60%	24,611 - 8·94%	18,399 - 6·67%	8,234 - 2·99%	21,515 - 7·81%	24,694 - 8·96%	23,552 - 8·55%	24,015 -
30	37,627 - 8·28 "	35,496 - 7·82 "	34,102 - 7·52 "	37,645 - 8·28 "	29,016 - 6·52 "	39,574 - 8·72 "	38,296 - 8·45 "	42,662 -
31	22,717 - 9·41 "	35,035 - 14·51 "	21,619 - 8·95 "	15,746 - 6·52 "	13,201 - 5·47 "	14,484 - 6·00 "	18,375 - 7·62 "	19,489 -
32	34,367 - 7·86 "	34,568 - 7·80 "	37,262 - 8·52 "	34,997 - 8·22 "	34,498 - 7·87 "	38,203 - 8·72 "	38,392 - 8·78 "	41,350 -
33	20,405 - 8·66 "	19,190 - 8·15 "	26,762 - 11·36 "	20,949 - 8·89 "	19,506 - 8·26 "	15,190 - 6·44 "	7,815 - 3·34 "	11,478 -
	292,746 - 8·56%	297,520 - 8·70%	243,946 - 7·13%	195,468 - 5·72%	253,149 - 7·41%	285,933 - 8·36%	283,987 - 8·31%	297,437 -

ANTHRACITE

Nº	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
34	12,146 - 9·29%	10,791 - 8·26%	13,930 - 10·67%	11,395 - 8·73%	11,418 - 8·74%	11,286 - 8·64%	10,130 - 7·75%	11,247 -



NOTE

1 – % EACH PARTICULAR FIELD IS OF TOTAL OUTPUT OF ITS KIND IN THE PROVINCE

2 – % SALES – REPRESNT WHAT SALES WERE OF THE TOTAL OUTPUT OF ITS KIND

3 – % EACH PARTICULAR FIELD IS OF TOTAL OUTPUT OF THE PROVINCE

FOR AMOUNTS, TONNAGE & PERCENTAGE OF Nºs 1, 2 & 3 SEE TABLES 6, 7 & 8.

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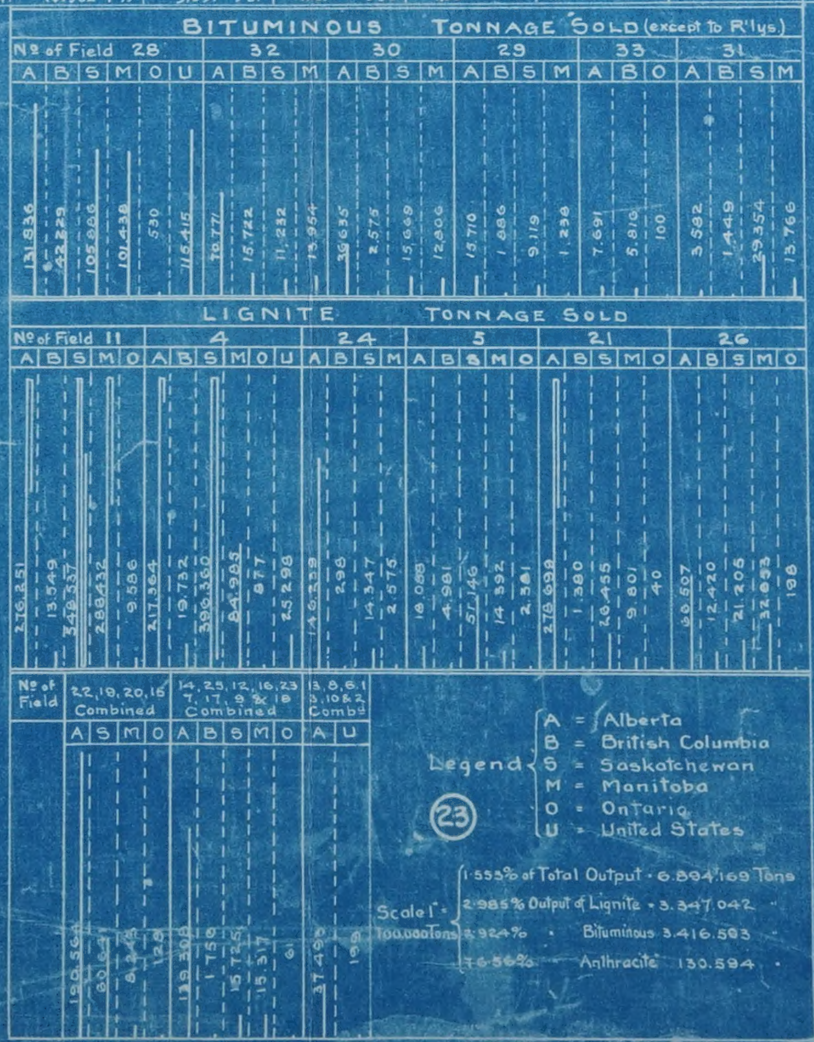
* The Total Output is as shown, from which 101.922 Tons of Briquettes were made & of that amount 101.693 Tons were used by Railways, which is in addition to Bituminous shown in Table ⑱ making in all 2.608.[illegible] used by Railways, being 73·53 % of the Output.



Legend {
A = Alberta
B = British Columbia
S = Saskatchewan
M = Manitoba
O = Ontario
U = United States

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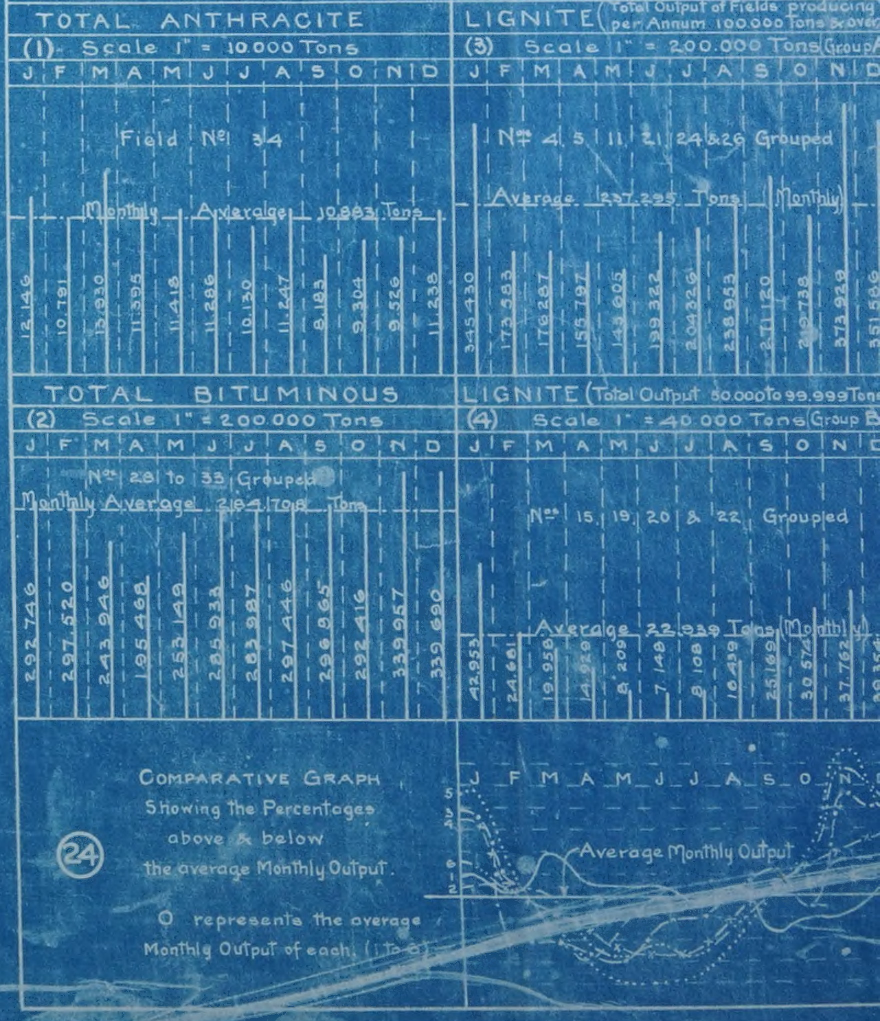
Scale 1" = 100.000 Tons {
1·555% of Total Output · 6.894.169 Tons
2·985 % Output of Lignite · 3.347.042 "
2·924 % " Bituminous 3.416.593 "
76·56 % " Anthracite 130.594 "



COMPARATIVE GRAPH Showing the Percentages above & below the average Monthly Output.

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O represents the average Monthly Output of each (1 to 3)

Coal Output
of
Alberta
1920

Coal output
of
Alberta
1920

UAA 1974-169-2100-002-024